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XXI.—*A Chronological Table, comprising* 400 *Cyclonic* Hurricanes which have occurred in the West Indies and in the North Atlantic within* 362 *Years, from* 1493 *to* 1855; *with a Bibliographical List of* 450 *Authors, Books, &c., and Periodicals, where some interesting Accounts may be found, especially on the West and East Indian Hurricanes.* By ANDRÉS POEY, Esq., of Havanna.

Communicated by DR. SHAW.

SINCE the valuable discovery, in the year 1821, by Mr. William C. Redfield, of New York, of the rotary and progressive movement of hurricanes, very able works and contributions have been published. Colonel Sir William Reid, of the Royal Engineers, followed Mr. Redfield in 1838, and wrote the first work on the Law of Storms, and Mr. Henry Piddington, President of Marine Courts of Inquiry at Calcutta, published his 'Sailor's Horn-book for the Law of Storms.' The last-named gentleman has contributed twenty-three Memoirs on the Law of Storms in the Indian and China Seas, which have regularly appeared in the Journal of the Asiatic Society of Bengal, from 1839 to 1854. Messrs. Thom, Espy, Hare, Loomis, Dove, Mitchell, Bache, Pierce, Maury, Bassnett, Chappelsmith, Brewster, Sedgwick, Johnston, Evans, Rider, Birt, Kerhallet, Keller, Lefebvre, Hommey, and others have also contributed very valuable works and memoirs on the Law of Storms; although the first seven gentlemen do not agree in every point with Mr. Redfield's theory, supported by Reid and Piddington.

It has now been proved by the examination and careful analysis of perhaps more than a thousand logs and of some hundreds of storms, that wind, in hurricanes and common gales on both sides of the equator, has two motions; and that it turns or blows *round* a focus or *centre* in a more or less circular form, and at the same time has a straight or curved motion forward, so that, like a great whirlwind, it is both turning round and as it were *rolling* forward at the same time; but as Mr. Piddington † observes, "in others though our evidence is very deficient, and sometimes indeed we have none at all, we must *assume* it only to be true; but we do so on very strong grounds." ‡

On the other hand nothing is known of the *causes* which produce hurricanes or gales in any part of the world, nor what causes the rotary (whirling) and progressive movement. Even Mr. Redfield, the father of the research in recent times, as Mr. Piddington calls him, had no particular theory as to the *causes* of circular storms (cyclones). He thought that our knowledge of their effects was not far enough advanced, and that it was unscientific to attempt to account for them, till better informed, by the exclusive action of any one or more causes. §

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* The term *cyclone* has most happily been suggested by Mr. Piddington to express the circular or highly curved winds observed in the hurricanes, gales, storms, whirlwinds, &c. It is derived from the Greek κυκλως, which signifies, amongst other things, the coil of a snake; and without affirming the circle to be a true one, though the circuit may be complete, it expresses sufficiently the *tendency* to circular motion in these meteors.

† The Sailor's Horn-book for the Law of Storms, New York, 1848, p. 6.

‡ It can scarcely be assumed that the rotatory system must be applied to all storms. All the inquiries are considered to prove that the Great Tornado of 1852 in America originated and acted on ascensional force, according to Professor Espy's theory.—ED.

§ Piddington, p. 15.

All these considerations, and many more which the object of this Memoir does not allow me to detail, have engaged me to collect together in a chronological table, all the cases mentioned in ancient and modern works, of hurricanes which have occurred in the West Indies and in the Atlantic Ocean, since the discovery of America up to the present period. At the same time to facilitate the study thoroughly of this important question, I have added a bibliographical review of what has been published on this subject. This second part appears to me to be as useful as the first, on account of the great time which it would otherwise take an inquirer to ascertain what has been done before him. The Chronological Table of Hurricanes, with the accompanying reference to the authors who mention them, leaves only the books themselves to be consulted.

The first author, to my knowledge, who has published a chronological list of the principal hurricanes which occurred in the West Indies, is M. Moreau de Jonnès. This list comprises 63 hurricanes from 1495 to 1821.*

The next list of hurricanes was published by "Stormy Jack," *alias* Lieut. Evans, R.N.; but it only comprises few cases during 123 years, from 1712 to 1835.†

In 1848 Lieut. Evans published a more complete chronological list of the hurricanes which occurred in the West Indies from 1493 to 1847, amounting to 70 cases; with interesting descriptions.‡

The third chronological list of hurricanes and severe gales in the West Indies, from their discovery to the year 1846, was published by Sir Robert H. Schomburgk.§ This list, from the year 1494 to 1846, a period of 352 years, contains 127 hurricanes and severe gales, which committed more or less injury in the West Indies.

Lastly, Mr. Alexander Keith Johnston, of Edinburgh, in the first edition of his valuable Physical Atlas, published in 1840, gives a chronological table of the principal hurricanes which have occurred in the West Indies within 162 years, from 1675 to 1837, with only 50 hurricanes. But, in the second edition of the Physical Atlas, which has not yet entirely appeared, he has increased that number to 127 hurricanes, in a period of 354 years, from 1493 to 1847.

Hitherto the most complete tables on the hurricanes of the West Indies are those of Schomburgk and Johnston, each of which comprises only 127 hurricanes.

The Table which I have the honour to present to the Royal Geographical Society is far more complete than any that has yet appeared; for it contains 400 hurricanes of the West Indies and Atlantic Ocean, which have occurred in a period of 362 years, from 1493 to 1855 inclusive.

In the list of authors, books, and papers treating of hurricanes, unconnected with the West Indies, North America, and the Atlantic Ocean, I have endeavoured to mention only the most important, neglecting many short accounts of gales which have occurred on the European Continent, for fear of giving too much extension to my Memoir. In the Chronological Table are only included the cases of hurricanes and strong gales which have occurred in the West Indies and North Atlantic, and few in the United States adjacent to the Atlantic.

I have to acknowledge my thanks to Mr. William C. Redfield, of New York, for the valuable information which he had the kindness to give me. I shall never forget the pleasant hours which I spent for several days with this learned philosopher, who gracefully helped me to transfer from his Meteorological Journal all the cases of hurricanes which were not indicated in my

* Histoire Physique des Antilles Françaises, Paris, 1822, p. 346.
† London Nautical Magazine, 1837, vol. i. p. 243.
‡ London Nautical Magazine, 1848, pp. 397, 453, 524.
§ The History of Barbados, London, 1848, p. 689.

own Table: these are given in my Table under the authority of *Mr. Redfield's Manuscript.* I must nevertheless say that I do not represent them all, as different in every case; for, on examination, many may be found to be the same hurricane observed on different parts of its course. I give a few illustrative notes on some instances in which the same hurricane, progressing from one latitude to another, has been taken for two or three different ones. I consider this Table of Hurricanes as being only the first step to facilitate inquiries on this important question on an enlarged scale.

If any names of authors who have written on hurricanes have been omitted, I should be glad to be informed, so that they may be inserted in a second paper which I shall publish shortly on the same subject.

A Chronological Table, comprising 400 Cyclonic Hurricanes which have occurred in the West Indies and in the North Atlantic Ocean within 362 Years, from 1493 to 1855. By Andrés Poey, of Havanna, Cuba.

Dates.	Localities.	Authorities.
1493. Feb. 12	North Atlantic	Columbus, Lieut. Evans (alias Stormy Jack), A Chronological List of the Hurricanes which have occurred in the West Indies since the year 1493, with interesting descriptions; Naut. Mag., 1848, pp. 397, 453, 524—Alex. Keith Johnston, Physical Atlas, Edinb., 1855–56, plate 19, p. 61—Capt. Thomas Southey, Chronological History of the West Indies, Lond., 1827, vol. i. p. 17.
1494. May 19–21	Cuba*	Jacobo de la Pezuela, Ensayo Histórico sobre la Isla de Cuba.
1494. June 16	St. Domingo ..	Sir Robert Schomburgk's History of Barbados, Lond., 1848—A Chronological List of Hurricanes and severe Gales in the West Indies, from their discovery to the year 1846, pp. 38 and 689—P. Martyr, Decades of the Ocean, 1st Decade, book iv., p. 26—Herrera—Evans—Southey, vol. i. p. 35.
1495.	St. Domingo ..	P. Martyr, Decade I. book v.—Ramusio, vol. iii. p. 7—Benzoni, lib. i. cap. 10—Herrera, lib. ii. cap. 18—Moreau de Jonnès, Hist. Phy. des Antilles, Paris, 1822, p. 386.
1496. Mar.?	Atlantic	Southey, vol. i. p. 41—Evans.
1498.	Cuba	Desiderio Herrera, Memoria sobre los Huracanes de la Isla de Cuba, Habana, 1847, p. 46.
1500. Aug.	Caribbean Islands	Moreau de Jonnès, p. 386.
1502. July 1, 2	St. Domingo ..	Charlevoix, Histoire de l'Ile Espagnole, Amsterdam, 1733, vol. i. p. 281—Schomburgk — Johnston — Evans — Southey, vol. i. p. 76—Herrera, lib. v. cap. 2—Moreau de Jonnès.
1502. Dec. 5	Porto-Bello, St. Domingo.	Columbus—Evans—Johnston—Southey, vol. i. p. 82.

* Between Cape de Cruz and Manzanillo.

DATES.	LOCALITIES.	AUTHORITIES.
1504. Oct. 19	Atlantic	Charlevoix, vol. ii. p. 19—Southey, vol. i. p. 98—Evans.
1508. Aug. 3	St. Domingo ..	Oviedo, Hist. Gral. de las Indias, lib. vi. cap. 3—Piddington, The Sailor's Hornbook, New York, 1848, p. 260—Charlevoix, vol. ii. p. 63—Herrera—Schomburgk—Evans, Naut. Mag., 1841, p. 746—Southey, vol. i. p. 107—Johnston—Moreau de Jonnès.
1509. Feb. or Mar.	Gulf of Mexico	Hernandez de Cordova—Evans—Johnston.
1509. July 29	St. Domingo ..	Oviedo, lib. vi. cap. 3—Charlevoix, vol. ii. p. 63—Schomburgk—Southey, vol. i. p. 109—Johnston—Herrera, lib. vii. cap. 10—Moreau de Jonnès.
1510. July	St. Domingo ..	Moreau de Jonnès.
1526. Oct.	St. Domingo ..	Herrera, lib. x. cap. 10—Schomburgk—Southey, vol. i. p. 156—Evans—Johnston—Moreau de Jonnès.
1527.	Cuba	Desiderio Herrera, p. 46—Schomburgk—Humboldt, Essai Politique sur l'Ile de Cuba, Paris, 1826, vol. i. p. 97—Johnston—Ramusio, vol. iii.—Moreau de Jonnès.
1530.	Porto-Rico, Cuba.	Herrera—Schomburgk—Evans—Johnston—Moreau de Jonnès.
1548.	St. Domingo ..	Oviedo, cap. 10—Moreau de Jonnès.
1557.	Cuba	Huracan de 1846: Reseña de sus Estragos en la Isla de Cuba, Habana, 1846, p. 6.
1563.	Caribbean Islands	R. Bohun, A Discourse concerning the Origin and Properties of Wind, with an Historical Account of Hurricanes and other tempestuous Winds, Oxford, 1671, p. 260.
1588.	Cuba	Desiderio Herrera, p. 46—Reseña de los Estragos del Huracan de 1846, p. 5.
1591. Aug. 10	Lat. 35° N. ..	Southey, vol. i. p. 212—Evans—Johnston.
1623. Sept. 19	St. Christopher	Schomburgk—Southey, vol. i. p. 252—Evans—Johnston.
1642.	Windward Islands, Martinique.	Du Tertre, Histoire Générale des Antilles, Paris, 1667, vol. ii. p. 71—Southey, vol. i. p. 294—Evans—Humboldt, vol. i. p. 97.
1642.	Martinique ..	Du Tertre, vol. ii. p. 71—Humboldt, vol. i. p. 97—Southey, vol. i. p. 294—Evans.
1642.	St. Christopher, Martinique, Guadaloupe.	Du Tertre, vol. ii. p. 71—Schomburgk—Southey, vol. i. p. 294—Evans—Johnston—Humboldt, vol. i. p. 97—Moreau de Jonnès.
1650.	St. Christopher	Du Tertre, vol. ii. p. 29—Moreau de Jonnès.
1651.	Martinique	Du Tertre, vol. ii. p. 71—Schomburgk—Evans—Pelléprat, 2nd part, p. 21—Moreau de Jonnès.
1652.	Martinique, Guadaloupe, St. Christopher.	Du Tertre, vol. ii. p. 71—Schomburgk—Evans—Johnston—Pelléprat, vol. ii. p. 71—Moreau de Jonnès.
1653. July 13	St. Vincent....	Du Tertrè, vol. ii. p. 71—Pelléprat, vol. ii. p. 21—Moreau de Jonnès.

Dates.	Localities.	Authorities.
1653. Oct. 1	St. Vincent* ..	Du Tertre, vol. ii. p. 71—Pelléprat, vol. ii. p. 21—Moreau de Jonnès.
1656.	Guadaloupe ..	Du Tertre, vol. ii. p. 71—Schomburgk, p. 689—Evans—Johnston—Southey, vol. ii. p. 14.
1656.	Antilles	Du Tertre, vol. ii. p. 71.
1657.	Guadaloupe ..	Du Tertre—Schomburgk—Capt. Langford, Phil. Tr., 1698, p. 407—Johnston—Moreau de Jonnès.
1658.	Antilles	Capt. Langford, p. 407.
1660.	Antilles	Capt. Langford, p. 407.
1664. Oct. 22, 23	Guadaloupe, Antigua.	Schomburgk—Southey, vol. ii. p. 53—Evans—Johnston.
1665. Oct.	Caribbean Islands	Capt. Langford, p. 407—Evans.
1666. Aug. 4, 5	Guadaloupe, Martinique, St. Christopher.	Du Tertre—Schomburgk, p. 689—Evans—Johnston.
1667. Aug. 19	Barbados, Nevis	Capt. Langford, pp. 407, 411, 413—Schomburgk—Harris, vol. ii. p. 258—Moreau de Jonnès.
1667. Sept. 1	St. Christoval	Schomburgk—Evans—Johnston—Du Tertre, Hist. des Antilles, vol. iii. p. 305.
1670. Aug. 18	90 leagues from Barbados.	Bohun, p. 286—Moreau de Jonnès.
1670. Oct. 7	Jamaica, Barbados.	Halliday, Natural and Physical History of the West Indies, Lond., 1837, p. 29—Schomburgk—Southey, vol. ii. p. 97—Evans—Johnston.
1674. Aug. 10	Barbados, Jamaica.	Halliday, p. 29—Schomburgk, pp. 45, 690—Evans—Johnston—Moreau de Jonnès.
1675. Aug. 31	Barbados	Halliday, p. 29—Hughes, Natural History of Barbados, Lond., 1750, p. 25—Boyer, History of Barbados, Lond., 1808, p. 101—Capt. Langford, p. 415—Schomburgk—Reid, Attempt to develop the Law of Storms, 3rd edit., p. 31; 2nd edit., p. 34—Evans—Johnston—Southey, vol. ii. p. 111—Springer's Almanac for 1842—Mathieson's Tobago Almanac—Moreau de Jonnès.
1680. Aug. 14	St. Domingo ..	Moreau de Mery, Description Topographique, &c., de la partie Française de St. Domingue, Philadelphie, 1797, vol. i. p. 526.
1681.	Antigua	Schomburgk — Thomson's Meteorology, Lond., 1849, p. 412—Evans—Johnston—Southey, vol. ii. p. 121—Robert Montgomery Martin, Colonies of the British Empire, Lond., 1839, p. 80—Dampierre, vol. ii. p. 348—Moreau de Jonnès.
1688. March 1	E. of Jamaica ..	Coll. Acad., i. c. p. 583—Phil. Trans. vol. li. p. 572—Hist. des Anc. Rév. du Globe, p. 299—Perrey.
1691.	Antilles	Moreau de Jonnès.
1692. June 7	Jamaica	Oldmixon's British Empire, Lond., 1741, vol. ii. p. 394—Johnston—Redfield's MSS.

* These two hurricanes, according to Du Tertre, are different.

DATES.	LOCALITIES.	AUTHORITIES.
1692. Oct. 24	Cuba	Desiderio Herrera, p. 46.
1694. Aug. 13	James Fort, Barbados.	Schomburgk—Moreau de Jonnès.
1694. Oct. 17	Barbados	Schomburgk, pp. 45, 690—Evans—Johnston.*
1695. Oct. 2	Martinique	Labat, Nouveau Voyage aux Iles de l'Amérique, Paris, 1742, vol. ii. p. 224, 278—Moreau de Jonnès.
1700.	Barbados	Halliday, p. 30—Schomburgk, pp. 45, 690—Moreau de Jonnès.
1701. Apr. 3	Antilles	Labat, vol. ii. p. 281.
1702.	Barbados	Halliday, p. 30—Moreau de Jonnès.
1705. Feb. 7	Antilles	Labat, vol. ii. p. 468.
1707.	Nevis, Antigua	Martin, p. 80—Johnston—Evans—Alcèdo, vol. i. p. 118—Moreau de Jonnès.
1712. Aug. 28	Jamaica	Schomburgk—Bryan Edwards, History of the West Indies, Lond., 1805, vol. i. p. 197—Evans—Johnston—Aikman's Jamaica Almanac for 1816, p. 24—Moreau de Jonnès.
1712. Oct.	Cuba	Desiderio Herrera, p. 46.
1713.	Guadaloupe, St. Thomas.	Warden, Chronologie Historique de l'Amérique—Schomburgk.
1714. Aug. 13, 14	Guadaloupe ..	Warden—Schomburgk.
1714. Aug. 29	Jamaica	Warden—Schomburgk.
1714.	Cuba†	Desiderio Herrera.
1718. Mar. 6, 7	St. Vincent....	Eyries, Abrégé des Voyages—Perrey.
1718. Sept.	Nevis	Smith's Natural History of Nevis, Cambridge, 1745, p. 240.
1720.	Barbados	Moreau de Jonnès.
1722. Aug. 28	Jamaica, Carolina, U.S.	Schomburgk—B. Edwards, vol. i. p. 197—Tegg's Chronology, Lond., 1824, pp. 149, 157 ‡—Rees' Encyclopædia, Art. Hurricane—Evans—Johnston—Southey, vol. ii. p. 231—Aikman's Jamaica Almanac for 1816, p. 24—Robert Renny's History of Jamaica, Lond., 1807, p. 48—Annals of Jamaica, by G. W. Bridges, London, 1828, p. 352—Henderson's Jamaica Almanac for 1852, p. 34 §—Moreau de Jonnès.
1722. Aug. 31	Antilles	Rees' Encyclopædia.
1725.	Martinique ..	Jour. Hist., March, 1728—Perrey, p. 331—Huot, Geol., vol. i. p. 112.
1726. Oct. 22	Jamaica	Long's History of Jamaica, Lond., 1774—Schomburgk—Southey, vol. ii. p. 239—Evans—Johnston—Aikman, p. 24.
1728. Aug. 19	Antigua	Schomburgk—Southey, vol. ii. p. 247—Evans—Johnston.
1728.	Carolina, U.S.	Redfield's MSS.—Tegg, p. 157.
1730.	Cuba	Desiderio Herrera—Reseña de los Estragos del Huracan de 1846, p. 6.

* Cotte says on the 13th of October—Mém. des Sav. Et., vol. vii. 1773, p. 588.

† This hurricane mentioned by D. Herrera may probably be one of the two which happened in the month of August of the same year.

‡ Tegg says Aug. 20 in one place, and at p. 153, Aug. 28.

§ According to Henderson's Jamaica Almanac for 1852, it happened in that island on the 22nd Aug.: p. 34.

Dates.	Localities.	Authorities.
1731.	Barbados	Hughes, p. 29—Halliday, p. 30—Schomburgk, pp. 46, 690—Moreau de Jonnès.
1733. June	St. Kitts	Tegg, p. 157.
1733. July 16	Cuba	Desiderio Herrera.
1734. Sept. 1	Jamaica	Schomburgk—Tegg, pp. 149, 167—Southey, vol. ii. p. 258—Evans.
1737. Sept. 9	St. Domingo, St. Kitts, Montserrat.	Schomburgk—Evans—Johnston—Southey, vol. ii. p. 263.
1738.	Guadaloupe, St. Thomas.	Schomburgk—Warden—Knox's Historical Account of St. Thomas, New York, 1852, p. 215.
1739. Sept. 9	Antilles	Gentleman's Magazine.
1740. Aug.	Antigua, Martinique, Dominica.	Tegg, p. 157—Evans—Johnston—Southey, vol. ii. p. 278—Martin, p. 80.
1740.	Porto Rico	Schomburgk—Warden—Ledru, Voyage aux Iles de Ténériffe, la Trinité, St. Thomas, St. Croix, et Porto Rico, Paris, 1810, p. 182—Nogaret—Moreau de Jonnès.
1742.	St. Thomas ..	Knox, p. 215.
1744. Oct. 20	Jamaica	Schomburgk—Evans—Johnston—Southey, vol. ii. p. 301—Tegg, pp. 147, 153, 157—Henderson, Jamaica Almanac for 1852, p. 34—Aikman, p. 24—B. Edwards, vol. i. p. 197—Moreau de Jonnès.
1744. Nov.	Cuba	Desiderio Herrera.
1745.	Caribbean Islands	Evans.
1746. Jan.	Lat. 40° N.....	Evans.
1747. Sept. 21	St. Christopher, Leeward Islands	Schomburgk—Evans—Johnston—Southey, vol. i. p. 305.
1747. Oct. 24	St. Christopher, Leeward Islands.	Schomburgk—Evans—Johnston—Southey, vol. i. p. 305.
1751. March 7	Jamaica	Redfield's MSS.
1751. Aug. 10	Jamaica	Tegg, pp. 149, 157.
1751. Sept. 2	Jamaica	Evans—Aikman, p. 24.
1751. Sept. 15	St. Domingo ..	Hist. de l'Acad., 1752, p. 17.
1751. Oct.	Jamaica, St. Domingo.	Moreau de Jonnès.
1752. Sept.	Charleston, U.S.	Redfield's MSS.
1753. Sept. 15	Charleston, U.S.	Tegg, p. 134.
1754. Sept.	St. Domingo ..	Schomburgk—Johnston—Evans—Southey, vol. i. p. 317.
1756. Aug. 23	Barbados.....	Redfield's MSS.
1756. Sept. 12	Martinique	Schomburgk—Tegg, pp. 150, 157—Chavalon, Voyage à la Martinique, Paris, 1763, p. 15—Moreau de Jonnès.
1757.	Florida to Boston	Warden, Account of United States, vol. i. p. 155.
1757. Aug. 29	Barbados	Collection Académique, Dijon, 1761, partie étrangère, vol. vi. p. 647.
1758. Aug. 23	Barbados, South Carolina, U. S.	Tegg, pp. 157, 162.
1759. Sept.	Gulf of Mexico	Schomburgk—Johnston—Evans—Quarterly Review, vol. xiv. p. 374—Southey, vol. i. p. 336.
1761. May 4	Charleston, U.S.	Tegg, p. 157.
1761. June 1	Charleston, U. S.	Phillips's Barbados Almanac for 1839, p. 123.

DATES.	LOCALITIES.	AUTHORITIES.
1762. Dec. 9	Cartagena	Schomburgk—Tegg—Evans.
1765. July 31	Martinique, St. Eustatius, Guadaloupe.	Redfield's MSS.—Evans—Johnston.
1765. Sept.	Martinique, Guadaloupe, St. Christopher.	Moreau de Jonnès.
1765. Nov. 13, 14	St. Domingo ..	Moreau de St. Mery, vol. i. p. 526.
1766. Aug. 13	Martinique	Schomburgk, pp. 41, 690—Warden, vol. vii. p. 341—Evans—Johnston—Southey, vol. ii. p. 391—Moreau de Jonnès—Perrey.
1766. Aug. 16	West of Jamaica	Warden.*
1766. Sept. 11	Virginia, U.S...	Redfield's MSS.
1766. Sept. 13-15	St. Christoval, Montserrat.	Schomburgk—Annual Register—Evans—Johnston—Southey, vol. ii. p. 390.
1766. Sept. 21	St. Eustatius, Tortuga.	Evans—Johnston—Southey, vol. ii. p. 390.
1766. Oct. 6	Dominica, St. Eustatius, Guadaloupe.	Schomburgk—Annual Register—Southey, vol. ii. p. 390—Cotte, Mém. des Savans Etrangers, vol. vii. 1773, p. 478.
1766. Oct. 22	Pensacola	Schomburgk—Annual Register—Southey, vol. ii. p. 390—Evans—Johnston.
1768. Aug. 12	Grenada	Grenada Almanac for 1832.
1768. Oct. 15	Cuba	Desiderio Herrera—Reseña de los Estragos del Huracan de 1846, p. 6—Memorias de la Sociedad Económica de la Habana, vol. i., segunda parte, Enero, 1846, p. 35—Perrey, p. 336.
1768. Oct. 25	Cuba (Havanna)	Schomburgk—Annual Register—Thomson's Meteorology, London, 1849, p. 413—Southey, vol. ii. p. 398—Evans—Johnston.
1769. Aug. 30	West of Florida	Redfield's MSS.
1769. Oct. 29	East of Florida	Bernard's Roman History—Redfield's MSS.—Tegg, p. 132.
1770. June 6	Charleston ..	Perrey, p. 336.
1771. Aug.	St. Eustatius ..	Gaz. de France, 19 Oct. 1772—Perrey.
1772. Aug. 4	St. Domingo ..	Schomburgk—Warden—Nicholson, p. 128—Moreau de Jonnès.
1772. Aug. 16	Cuba? (St. Jago)	Tegg, p. 157.†
1772. Aug. 17	Antigua	Tegg, p. 149—Martin, p. 80.
1772. Aug. 28	Porto Rico, Jamaica.	Schomburgk, pp. 42, 691—Warden, vol. viii. p. 457—Knox, p. 215—Ledru, p. 182—Moreau de Jonnès.
1772. Aug. 31	Leeward and Virgin Islands, Antigua.	Schomburgk—B. Edwards, vol. iii. p. 620—Tegg, pp. 149, 157—Espy's Philosophy of Storms, Boston, 1841, p. 11—Evans—Johnston—Southey, vol. ii. p. 409.

* It is not probable that the first hurricane of August, felt at Martinique, was the same that passed west of Jamaica, unless its progression was towards the west, and south of that island; so that the east track of the cyclone would have been felt at Jamaica. If the hurricane had followed its natural course to the north-west, the west track of the cyclone could not be felt west of Jamaica without experiencing at the same time the east track on the east, and the centre of the cyclone would have passed through the island.

† Tegg does not say to which of the West Indian islands St. Jago belongs, but I presume it is to Cuba.

Dates.	Localities.	Authorities.
1772. Sept. 1-4	Dominica, St. Domingo.	Thomas Atwood's History of Dominica, London, 1791, p. 11—Moreau de Jonnès—Moreau de St. Mery, vol. ii. p. 807.
1772. Nov. 22	St. Christopher, St. Eustatius.	Phillips.
1773. July	St.Thomas, Cuba	Tegg, p. 157.
1773. Aug.	Boston *	Tegg, p. 157.
1774. Sept. 6	Guadaloupe ..	V. Hoff. I. c.—Cotte, Jour. de Phy. vol. lxv. p. 151—Perrey.
1774. Oct. 2	Jamaica	Schomburgk—Warden.
1775. July 30	St. Croix, Martinique.	Cotte, Jour. de Physique, 1807, vol. lxv. p. 167—Moreau de Jonnès.
1775. Aug. 25	Martinique	Cotte, p. 167—Moreau de Jonnès.
1775. Aug. 27	St. Domingo ..	Moreau de St. Mery, vol. ii. p. 807.
1775. Sept. 14	Cuba, St. Domingo.	Cotte, p. 168.
1775. Oct. 16	St. Christopher	Cotte, p. 168.
1776. Sept. 4	Antigua, Martinique, Guadaloupe.	Phillips—Moreau de Jonnès.
1776. Sept. 5, 6	Martinique, Guadaloupe, St. Kitts.	Schomburgk—Tegg, pp. 149, 157, 162—Phillips †—Coll. Acad.—V. Hoff. I. c.—Cotte, Jour. de Phy., t. lxv. p. 151, 152—Perrey.
1778. Oct. 28	Cuba	Desiderio Herrera—Memorias de la Soc. Económica de la Habana, vol. i., January, 1846, p. 36.
1779.	New Orleans ..	Dunbar, Trans. Am. Soc. Philad., vol. vi., second series, 1804.
1780. Aug. 25	St. Kitts, New Orleans.	Redfield's MSS.—Dunbar, *idem.*
1780. Oct. 3-12	Jamaica, Cuba, Martinique, Barbados.	Schomburgk—B. Edwards, vol. i. p. 197—Ann. Register—Piddington, 2nd edit., p. 167—Purdy, Northern Atlantic Ocean, 7th edit., p. 101—Espy, p. 190—Reid's Law of Storms, p. 304; and Attempt to develop the Law of Storms, 3rd edit., pp. 289-292, 335, Chart IX.—Evans—Johnston—Long, vol. iii. p. 622—Atwood, p. 11—Scots Magazine, vol. xlii. 1780, p. 652—Southey, vol. ii. p. 471—Tegg, p. 157—Henderson, p. 36—Aikman, p. 24—Moreau de Jonnès.
1780. Oct. 10-18	Barbados, Dominica, Antigua, Tobago, Grenada, St. Vincent, St. Domingo.	Schomburgk—Annual Register—Warden—Halliday, p. 30—Piddington, p. 147—Boyer, p. 447—Thomson, p. 413—Blane, Tr. Ed. Royal Soc., vol. i. 1788, p. 34—Grenada Almanac and Public Register for 1832—Espy, pp. 193, 253—Traced by Reid, Attempt to develop, 3rd edit., pp. 289-337—Southey, vol. ii. p. 467—Martin, p. 80—Atwood, p. 11—Antigua Almanac for 1832—Mathieson's Toba-

* This hurricane is probably the same which happened in July at St. Thomas and Cuba, and reached Boston in August.

† Phillips gives these two hurricanes of Sept. 4th and 5th as different ones, but it is probable that they form but one. Tegg, p. 157, says that it was the severest ever known in the West Indies.

DATES.	LOCALITIES.	AUTHORITIES.
		go Almanac for 1840—St. Vincent Almanac for 1851, p. 81—Moreau de St. Mery, vol. i. p. 526—Cotte, Jour. de Phy., 1807, vol. lxv. p. 331—London Athenæum, Nov. 3, 1855, p. 1273.
1780. Oct. 16	Cuba	Desiderio Herrera—Piddington, p. 45—Reid's Attempt to develop, p. 394-402, 3rd ed.
1780. Oct. 31	Barbados.....	Phillips.
1781. March 15	West Indies....	Phillips.
1781. Aug. 1	Jamaica	Schomburgk—B. Edwards, vol. i. p. 197—Annual Register—Evans—Johnston—Tegg, pp. 149, 157—Southey, vol. ii. pp. 496, 499—Naval Chronicle, vol. ii. p. 286—Aikman, p. 24—Cotte, Jour. de Phy., 1807, vol. lxv. p. 334—Moreau de Jonnès.
1781. Aug. 10	North Carolina, U. S.	Redfield's MSS.
1781. Sept. 5	St. Domingo ..	Moreau de St. Mery, vol. ii. p. 807.
1782. April 12	North Atlantic	Thomson, p. 43.
1782. July 25	Lat. 43° 33′ N. long. 42° 20′ W.	Evans.
1782. July 31	Kingston (Jamaica).	Mercure de France, 9, 30 Oct. 1784—Mém. de l'Acad. de Dijon, 1784, p. 78—Perrey.
1782. Aug. 1	Jamaica	Annual Register.
1782. Sept. 16	North Atlantic	Philadelphia Paquet, Dec. 17th, 1782; Feb. 17th, 1783—Redfield's MSS.
1784. March 8	Cuba	Desiderio Herrera—Reseña de los Estragos del Huracan de 1846, p. 6.
1784. July 10	Jamaica	Henderson.*
1784. July 30	Jamaica, St. Domingo.	Schomburgk—B. Edwards, vol. i. p. 197—Westminster Magazine—New Haven Gazette, U. S., Sept. 23rd—Connecticut Current, U. S., Sept. 28th, Oct. 6th—Evans—Johnston—Southey, vol. iii. p. 3—Tegg, pp. 149, 153—Aikman, p. 24—Cotte, Jour. de Phy., 1807, vol. lxv. p. 342—Moreau de Jonnès—Perrey.
1785. July 6	West Indies....	Tegg, p. 158.
1785. July 25	St. Croix.....	New Haven Gazette, U. S., Sept. 29th.
1785. Aug. 25	Guadaloupe ..	Redfield's MSS.†
1785. Aug. 27	Jamaica	Schomburgk—B. Edwards, vol. i. p. 197—New Haven Gazette, U. S., Oct. 9th—Evans—Johnston—Southey, vol. iii. p. 7—Aikman, p. 24.
1785. Aug. 31	Guadaloupe, Barbados, St. Domingo.	Schomburgk—Warden—Moreau de Jonnès.

* Another dreadful earthquake and hurricane, July 10th, 1784, Jamaica Almanac for 1852, p. 36. It seems strange that Henderson mentions this hurricane as having been dreadful, but does not say anything about the second, although far more severe, which occurred on the 30th of the same month.

† This hurricane, taken from Mr. Redfield's MSS., may have some connexion with that of the 31st of the same month, which happened also at Guadaloupe. Cotte mentions another which happened at St. Christopher and other islands on the 24th of the same month of August, Jour. de Phy., 1807, vol. lxv. p. 345.

Dates.	Localities.	Authorities.
1785. Sept. 22-24	Carolina, Virginia, U. S.	New Haven Gazette, U. S., Oct. 13th.
1785. Sept. 27	St. Domingo ..	Moreau de St. Mery, vol. i. p. 526.
1786. Aug. 11	St. Domingo, St. Eustatius, Barbados.	Schomburgk — Evans — Tegg, p. 158 — Southey, vol. iii. p. 11.
1786. Aug. 29	United States..	Philadelphia Paquet, Jan. 22nd.
1786. Sept. 2	Barbados.....	Schomburgk—Warden, vol. viii. p. 516—Madden—Evans—Johnston—Tegg, p. 132—Southey, vol. iii. p. 11—Moreau de Jonnès.
1786. Sept. 10	Guadaloupe....	Schomburgk—Evans—Southey, vol. iii. p. 11.
1786. Oct. 5	Barbados, Grenada.	Phillips.
1786. Oct. 20	Jamaica	Schomburgk—B. Edwards, vol. i. p. 197—Evans—Johnston—Southey, vol. iii. p. 11—Aikman, p. 24.
1787. April	United States, Bermudas.	Redfield's MSS.
1787. July 30	United States ..	Redfield's MSS.
1787. July.	Guadaloupe, French islands	Tegg, p. 158.*
1787. Aug. 3	Dominica.....	Schomburgk—Annual Register—Southey, vol. iii. p. 14—Johnston—Evans.
1787. Aug. 15	Florida.....	Redfield's MSS.
1787. Aug. 23	Dominica.....	Schomburgk—Annual Register—Evans—Johnston—Southey, vol. iii. p. 14.
1787. Aug. 29	Dominica.....	Schomburgk—Annual Register—Southey, vol. iii. p. 14—Johnston—Evans.
1787. Sept. 2	Honduras.....	Redfield's MSS.—Cotte, Jour. de Phy., vol. lxv. 1807, p. 351.
1787. Sept. 19	United States ..	Redfield's MSS.
1787. Sept. 23	Belize	Schomburgk—Evans—Piddington, p. 156—Southey, vol. iii. p. 13.
1787. Dec. 1	West Indies ..	Phillips.
1788. Jan. 1	Honduras	Phillips.
1788. Mar. & Apr.	St. Croix.....	Cotte, Jour. de Phy., vol. lxv. p. 352.
1788. July 22	United States ..	Redfield's MSS.
1788. Aug. 14	Martinique	Schomburgk — Warden — Moreau de Jonnès.
1788. Aug. 16	Porto Rico, St. Domingo.	Redfield's MSS.—Cotte, Jour. de Phy., vol. lxv. 1807, p. 352—Moreau de St. Mery, vol. ii. p. 301.
1788. Aug. 19	United States ..	Redfield's MSS.†
1788. Aug. 29	Dominica	Redfield's MSS.
1788. Sept. 19, 20	United States ..	Redfield's MSS.
1790. Aug.	Nevis	Evans—Johnston.
1790. July 31	Jamaica	Tegg, p. 149.
1791. June 21	Cuba	Desiderio Herrera—Annual Register.
1791. Sept. 27	Cuba	Phillips (Sir R.), Chronology, Lond., 1821.

* This hurricane is probably the same which reached the United States on the 30th, mentioned in Mr. Redfield's MSS.

† These three hurricanes may probably be the same one on its course from Martinique to the United States. According to Courrejolles, a hurricane also occurred in the same month of August at St. Domingo.—Journal de Physique, vol. liv. 1802, p. 107.

DATES.	LOCALITIES.	AUTHORITIES.
1792. July 15	West Indies ..	Redfield's MSS. — Connecticut Journal, U. S.
1792. Aug. 1	Antigua	Schomburgk — Annual Register — Evans —Johnston—Martin, p. 80 — Southey, vol. iii. p. 64—Moreau de Jonnès.
1792. Aug. 6	Bermudas, U. S.	Redfield's MSS. — Connecticut Journal, U. S., 29th of Aug.
1792. Sept. 10	Antigua	Phillips.
1792. Oct. 29	Cuba	Desiderio Herrera—Reseña de los Estragos del Huracan de 1846, p. 7—Memorias de la Sociedad Económica de la Habana, vol. i. 2a. Serie, 1846, p. 38.
1793. Aug. 12	St. Christoval, St. Eustatius, St. Thomas.	Schomburgk—B. Edwards—Knox, p. 215 —Connecticut Journal, 25 Sept.—Moreau de Jonnès.
1794. Aug. 27, 28	Cuba	Desiderio Herrera—Memorias de la Sociedad Económica de la Habana, vol. i. 2a. Serie, 1846, p. 38—Schomburgk—Warden—Humboldt, Essai Politique sur l'Ile de Cuba, Paris, 1826, vol. i. p. 96-98—Humboldt, Relation Hist., vol. xi. p. 174 —La Sagra, Hist. Politique, &c., de Cuba, Climat, vol. i. p. 154.
1795. Aug. 10	Jamaica	Evans—Johnston.
1795. Aug. 18	Antigua	Schomburgk—B. Edwards.
1796. Oct. 3	Bahamas	Schomburgk — B. Edwards — Humboldt, Essai Politique sur Cuba, vol. i. p. 96—Tegg, p. 132.
1796. Oct. 24	Cuba	Desiderio Herrera—Reseña de los Estragos del Huracan de 1846, p. 7.
1796. Nov. 2	Cuba	Humboldt, Essai Politique sur Cuba, vol. i. p. 96.
1799.	Cuba	Desiderio Herrera.
1800. Nov. 2	Cuba	Desiderio Herrera.
1801. July 22	Nassau	Schomburgk—Warden—Tegg, p. 132.
1802. Feb. 21-23	Charleston to Nova Scotia.	Redfield's MSS.—New York Newspapers.
1802. Sept. 16	Cumana	Humboldt, Essai Pol. sur Cuba, vol. i. p. 96.
1803. July 10	Bahamas	Redfield's MSS.
1804. Aug. 29	Jamaica	Redfield's MSS.
1804. Sept. 3-9	Martinique, Caribbean Islands, U. S.	Schomburgk—B. Edwards — Warden, A Statistical, Political, and Historical Account of the United States of America, Edinb. 1819, vol. i. p. 155—Purdy, 7th Edit. p. 102—Mease's Geological Account of the United States, p. 100—Medical Repertory, Hex. vol. i. and Hex. ii., vol. ii. p. 354—Evans—Moreau de Jonnès—Redfield's Track IV.
1804. Sept. 3	Windward Isles	Johnston.
1804. Sept. 3-6	Leeward Islands	Johnston.*
1804. Sept. 22	Jamaica, Lat. 20° 18′ N.	Redfield's MSS.
1804. Oct. 4	Savanna, Georgia	Burr's Letters—Redfield's MSS.

* Could not these last two hurricanes of Sept., given by Mr. Johnston as different, be the same which occurred between the 3rd and 9th of the same month, from Martinique to the United States, and traced by Redfield?

Dates.	Localities.	Authorities.
1804. Oct. 9	United States ..	New York Herald, 24th October—Redfield's MSS.
1805. July 27	Jamaica	Schomburgk.
1805. July 29	Lat. 26° 17′, long. 57° 42′, North of Barbados.	Purdy, 7th Ed.—Lieut. John Evans, Revision of Geographic and Hydrographic Terms, 1824, p. 116—Idem, Chronological List of Hurricanes—Johnston.
1806. Aug. 30	Bahamas, Eleuthera.	Schomburgk—Thomson, p. 414—Scoresby, Memoirs of Sea, p. 382—Evans—Johnston.
1806. Sept. 9	Dominica	Schomburgk—B. Edwards—Thomson, p. 414—Evans—Johnston—Phillips.
1806. Sept. 24	Dominica	Schomburgk.
1806. Sept. 27	West Indies ..	Evans.*
1806. Oct. 5	Bahamas	Schomburgk, p. 51, 692—Evans—Johnston.
1806. Oct. 27	Bahamas	Schomburgk.
1807. July 25-28	St. Christoval, Montserrat.	Schomburgk—Moreau de Jonnès.
1807. Sept. 5	Cuba	Desiderio Herrera.
1809. July 27	Dominica, Guadaloupe.	Schomburgk.
1809. Aug. 1-3	Dominica, Guadaloupe.	Schomburgk — Redfield's MSS. — Cotte, Jour. de Phy., vol. lx. p. 204.
1809. Sept. 2	Guadaloupe, Porto-Rico.	Schomburgk—Evans—Johnston.
1809. Oct. 13	Martinique	Schomburgk—Evans.
1809. Oct. 18	Trinidad	Schomburgk.
1810. Aug. 12	Trinidad, Barbados.	Schomburgk—Derrotero de las Antillas.
1810. Aug. 28	Barbados	Phillips.
1810. Sept. 28	Cuba	Desiderio Herrera—Tegg, p. 146.†
1810. Oct. 25, 26	Cuba	Desiderio Herrera.
1812. Aug. 14	Jamaica	Evans.
1812. Aug. 19	New Orleans ..	Redfield's MSS.‡
1812. Oct. 12	Jamaica	Schomburgk—Evans—Henderson, p. 37—Aikman.
1812. Oct. 14	Jamaica	Schomburgk, pp. 52, 693—Johnston.
1812. Oct. 14	Trinidad in Cuba	Southey, vol. iii. p. 519§—Evans.
1813. July 20	Bermuda	Phillips.
1813. July 22	Barbados	Schomburgk.
1813. July 22, 23	Dominica, Martinique, St. Christoval.	Schomburgk—B. Edwards—Tegg, p. 136—Falconer's Dominica Almanac for 1850—Southey,‖ vol. iii. p. 521—Moreau de Jonnès.

* This hurricane may be the same as that of the 24th, which happened at Dominica.

† Tegg says Sept. 23, 26.

‡ This hurricane is probably the same which was felt at Jamaica on the 14th.

§ This hurricane seems to be the same which occurred at Jamaica on the same day or two days previous, although, as the nearest point of that island is only 25 leagues from Cuba, it is more probable that the hurricane took place at both islands on the same day, with some difference in the hours. There may be some error in dating the previously mentioned hurricane at Jamaica on the 12th, although Schomburgk mentions it as distinct from that of the 14th.

‖ Southey says that during this year the island of Dominica suffered considerably from two hurricanes which succeeded each other within a short time: several houses were blown down.

DATES.	LOCALITIES.	AUTHORITIES.
1813. July 26	Bermuda, Bahamas.	Schomburgk—B. Edwards—Howard, Climate of London, 3rd Edit., 1833, vol. i. —Espy, Phil. of Storms, p. 252—Tegg, p. 132.
1813. July 31	Jamaica	Schomburgk — B. Edwards — Moniteur, July 10, 1814—Perrey, p. 344.
1813. Aug. 1	Jamaica	Evans—Johnston—Aikman.
1813. Aug. 5-9	N. Atlantic, lat. 41°.	Redfield's MSS.*
1813. Aug. 25	Dominica	Schomburgk—B. Edwards—Howard, vol. ii. p. 212.
1813. Nov. 19	Nova Scotia ..	Marine Dictionary.
1813.	Belize	Naut. Mag., 1842, p. 732.
1815. Aug. 9	Gulf Stream, lat. 40°, long. 60°.	Purdy, 9th Ed.—Evans—Johnston—Rennell, Investigation, pp. 169, 202, 238.
1815. Aug. 31 to Sept. 1	N. Atlantic, lat. 39°, long. 56°, Bartholomew.	Redfield's MSS.—Southey, vol. iii. p. 610† —Johnston—Evans.
1815. Sept. 18-23	St. Bartholomew	Redfield's MSS.—Purdy, 7th Ed., p. 102—Evans—Johnston.‡
1815. Sept. 20	Turk's Island ..	Southey, vol. iii. p. 610.
1815. Sept. 29	Barbados	Schomburgk.
1815. Oct. 18	Jamaica	Schomburgk—Annals of Jamaica—Thomson, p. 404—Arnold, Edin. Phil. Jour., vol. vii. p. 257—Aikman, p. 26.
1816. Sept. 15	Barbados, Martinique, Dominica.	Schomburgk—Tegg—Moreau de Jonnès.
1816. Oct. 16	Dominica, Martinique.	Schomburgk.
1817. Sept. 15	Dominica	Schomburgk.
1817. Oct. 21	Small islands, St. Vincent.	Howard, vol. ii. p. 350—Philadelphia Paquet—Phillips—St. Christopher Almanac for 1855—Moreau de Jonnès.
1817. Oct. 23	Barbados, St. Lucia, Martinique.	Phillips.
1818. Aug. 28	Bermuda	Schomburgk.
1818. Sept. 10-12	Cayman Isles, Campeche.	Evans.
1818. Sept. 19	St. Domingo ..	Evans.
1818. Sept. 21	Barbados, Dominica.	Evans.
1818. Sept. 22-25	Antigua	Evans.§
1818. Sept. 27-30	Barbados	Schomburgk.
1818. Oct. 7	Port Royal (Jamaica).	Evans.
1818. Oct. 21	St. Lucia.....	Howard, vol. ii.—Espy, Phil. of Storms, p. 252.

* This hurricane may have been the one which occurred on the 1st at Jamaica, and reached 41° the 5th; and also the same felt at Jamaica on the 31st of July. The *Moniteur* of Paris, 10th July, 1814, gives the date of the 28th of July.—Perrey.

† According to Southey about thirty sail were driven on shore at St. Bartholomew, but the gale did not reach Barbados.

‡ Sept. 18th at St. Bartholomew; the 20th at Turk's Island; the 23rd at Rhode Island, U. S. This hurricane led Mr. Redfield to the discovery of his cyclonic theory.

§ This hurricane must be the same mentioned also by Lieut. Evans as having been felt at Barbados and Dominica on the 21st of the same month.

Dates.	Localities.	Authorities.
1818. Nov. 17, 20	Jamaica (Cornwall County).	Sherlock's Jamaica Almanac for 1839, p. 115.
1819. Aug. 25	Dominica	Falconer's Dominica Almanac for 1850.
1819. Sept. 21, 22	St. Lucia, Barbados, Virgin Islands, Porto Rico.	Schomburgk—Knox, p. 215—Tegg, p. 159—Phillips—St. Christopher Almanac for 1855—Moreau de Jonnès.
1819. Oct. 13-15	Barbados, St. Lucia.	Schomburgk, pp. 51, 694—Tegg, p. 159—Springer's Almanac for 1842—Mathieson—Tobago Almanac for 1849—Moreau de Jonnès.
1819.	Cuba	Desiderio Herrera.
1821. Sept. 1	Guadaloupe ..	Schomburgk—Warden, vol. viii. p. 409—Johnston—Moreau de Jonnès.
1821. Sept. 1	Turk's Island to Long Island, U. S.	Schomburgk—Redfield's Track VIII. on his Chart of the Courses of Hurricanes—Purdy, 7th Ed., p. 102—Reid, Attempt to develop the Law of Storms, 3rd Ed., p. 11-15, Chart I.—Espy, Phil. of Stor., p. 209-228—Evans—Johnston—Redfield, Silliman's Journal, vol. xx. pp. 24-27; U. S. Naval Magazine, 1836, vol. i.; and Lond. Naut. Mag., 1836, vol. v. p. 199 *—Evans.
1821. Sept. 9	Antigua, St. Bartholomew.	Schomburgk.
1821. Sept. 23	New Haven, U. S.	Tegg, p. 159.
1821.	Cuba	Desiderio Herrera.†
1822. Mar. 11	Jamaica	Schomburgk.
1822. July 11	Mobile, U. S. ..	New York Gazette—Redfield's MSS.
1822. Dec. 18	Barbados	Schomburgk.
1824. July 26	West Indies ..	Morin, Correspondance pour l'Avancement de la Météorologie. Nevers, 1827, 3rd Memoir, p. 66.
1824. Sept. 7, 8	Guadaloupe ..	An. de Ch. et de Phy., vol. xxxiii. p. 408—Perrey.
1825. July 25, 26	Dominica, Martinique, Guadaloupe.	Schomburgk—Thomson, p. 416—Pouillet, Elem. de Phy., vol. ii. p. 717—Lardner's Natural Philosophy, p. 30—Perrey.
1825. Oct. 1	Cuba	Desiderio Herrera—Reseña de los Estragos del Huracan de 1846, p. 7—Ramon de la Sagra, Historia Física y Política de la Isla de Cuba, p. 117—Schomburgk—Warden.
1826. Aug. 18	Antilles	Moniteur, 16 Oct.—Perrey.‡
1826. Nov. 6-9	Atlantic, Teneriffe.	An. de Ch. et Phy., February 1835—Espy, p. 22—Redfield, Am. Jour. of Sc. and Arts, vol. xviii., 2nd Series, 1854.

* Are these two hurricanes of the 1st of Sept. different, or the same which began at Guadaloupe, and proceeded to the northward? Mr. Redfield has traced it from above the lat. 20° and long. 65° off Turk's Island on the 1st of Sept.; and to the northward of the Bahamas, and near the lat. of 30°, on the 2nd. Mr. Johnston mentions the two hurricanes as being different: "on the same day," says he, "a hurricane at Guadaloupe destroyed 200 lives." Schomburgk is of the same opinion.

† This hurricane may be the same which happened at Antigua on the 9th, according to Schomburgk.

‡ This hurricane may have been the same one which occurred at Cuba during that year.

DATES.	LOCALITIES.	AUTHORITIES.
1826.	Cuba	Desiderio Herrera—Reseña de los Estragos del Huracan de 1846, p. 7.
1827. July 30	North Carolina	Perrey.
1827. Aug. 17–28	Windward Islands to the Porpoise Bank, U. S.	Schomburgk—Redfield's Track III., Lond. Naut. Mag. 1836, vol. v. p. 199, and U. S. Naval Magazine, 1836, vol. i.—Purdy, 7th edit., p. 98 — Evans — St. Christopher Almanac—Perrey.
1827. Aug. 28	St. Thomas, Virgin Islands.	Schomburgk—Evans—Johnston.*
1827. Sept. 7	N. Atlantic....	Purdy, 7th edit., p. 98.
1827. Oct. 11	Bahamas.....	Evans.
1827.	Belize	Naut. Mag., 1842, p. 732.
1828. Mar. 15	Gulf of Mexico	Purdy, 7th edit., p. 94.
1828. Sept. 19	N. Atlantic, N.W. of Bermuda.	Redfield's Track XVIII., Am. Jour. of Sc. and Arts, vol. xviii. 2nd Series, 1854.
1829. July 24	Boston, U. S. ..	Purdy, 7th edit., p. 98—Thomson, p. 416—Boston Gazette.
1830. Apr. 24, 25	Vera Cruz	New York Daily Advertiser—Redfield's MSS.
1830. Aug. 7	Jamaica	Redfield's MSS.
1830. Aug. 11–18	Dominica, St. Thomas, Barbados.	Schomburgk—Redfield's Track VI., Silliman's Jour., 5th Series, vol. xx. p. 34—Purdy, 7th edit., p. 101—Thomson, p. 406 — Reid's Attempt to develop, &c., pp. 11–23, 128–132, Chart II.—Espy, p. 253–264—Evans—Johnston.
1830. Aug. 19–24	Martinique, U.S.	Purdy, 7th Edit., p. 102—Reid, Attempt to develop, &c., 3rd edit., p. 127-132.
1830. Aug. 22–26	Turk's Island, N. of the Bahamas.	Schomburgk — Redfield's Track IX. — Thomson, p. 416—Evans—Johnston.
1830. Sept. 29	Caribbean Islands, N. side.	Schomburgk — Redfield's Track VII.—Purdy, 7th ed. p. 102.
1830. Dec. 5, 6	American Coast from the lat. of 30° N.	Redfield's Track X., U. S. Naval Magazine, 1836, vol. i., and Lond. Naut. Mag. 1836, vol. v. p. 199.†
1831. April 27	United States..	Redfield's MSS.
1831.	Belize	Naut. Mag. 1842, p. 732.
1831. Jan. 13–15	Florida Stream	Evans—Redfield's Track X., U. S. Naval Magazine, 1836, vol. i.; and Lond. Naut. Mag. 1836, vol. v. p. 199.
1831. June 10	Florida	Redfield's MSS.

* Surely Mr. Johnston has taken these two hurricanes for one, for he says: "Aug. 17 at St. Martin and St. Thomas, and Aug. 28 at the Virgin Isles." Indeed no hurricane would travel so slow as to take 12 days from St. Martin and St. Thomas to the Virgin Isles. Besides this, it is shown by Mr. Redfield's track that the hurricane of the 17th of Aug. visited St. Martin and St. Thomas on the 18th; passed the north-east coast of Hayti on the 19th; Turk's Island on the 20th; the Bahamas on the 21st and 22nd; was encountered off the coast of Florida and South Carolina on the 23rd and 24th; off Cape Hatteras on the 25th; off the Delaware on the 26th; off Nantucket on the 27th; and off *Sable Island* and the *Porpoise Bank* on the 28th. But according to Mr. Johnston, having commenced on the 17th at St. Martin and St. Thomas, on the 28th it should have reached the Virgin Isles. Lieut. Evans has very well distinguished the two hurricanes, for he says: "1827, Aug. 28, a gale of greater violence than that of the 17th of Aug. raged in St. Thomas and the other Virgin Islands."

† This track also corresponds with that of the storm of Jan. 13-15, 1831.

Dates.	Localities.	Authorities.
1831. June 23-27	Trinidad, Tobago, Antigua, Grenada.	Redfield's Track I.—Piddington, 1st edit. p. 25—Schomburgk—Evans—Johnston—Purdy, 7th edit. p. 100—Antigua Almanac for 1832—William Mathieson's Tobago Almanac and Public Register for 1849—Grenada Almanac and Public Register for 1832.
1831. Aug. 10-17	Barbados, Cuba	Redfield's Track II. — Schomburgk — Purdy, 7th edit. p. 103—Reid's Progress of the Devel. of the Law of Storms, 1849, p. 35, and Attempt to develop, &c., 3rd edit. pp. 24-33, 43, 502, Chart III.—Halliday, pp. 29, 32-43—Piddington, 1st edit. pp. 25, 159, 165—Thomson, pp. 411, 416—Espy, p. 264—Evans—Johnston—St. Vincent Almanac for 1851, p. 84*—St.Christopher Almanac for 1855—Garnier, Météorologie, p. 168—Perrey.†
1832. June 3-6	Cuba, Bahamas, Bermuda.	Desiderio Herrera—Schomburgk.
1832. Aug. 7	Jamaica	Redfield's MSS.—Evans.
1833. Aug. 14	Guadaloupe, Antigua, Bermuda.	Redfield's MSS.
1833. Sept. 20	Dominica	Redfield's MSS.
1833. Oct. 16-19	Cuba, Gulf of Mexico.	Desiderio Herrera.
1834. Sept. 20	Dominica	Springer's Barbados Almanac for 1842.
1834. Oct. 20, 21	Martinique	Schomburgk—Warden—Johnston.‡
1835. April 28	United States Coast.	Redfield, U. S. Naval Magazine, vol. i. 1836; Lond. Naut. Mag. 1836, vol. v. p. 199.
1835. July 26	Barbados	Evans—Johnston.
1835. Aug. 12-18	Antigua, Cuba, Galveston Bay.	Redfield's Track V.—Schomburgk—Piddington, p. 144 — Reid's Attempt to develop, &c., 3rd edit. p. 43 — Evans — Johnston.
1835. Sept. 3	Barbados	Schomburgk—Reid's Attempt to develop, &c., p. 35-41, Chart IV.—Mathieson's Tobago Almanac.
1835. Sept. 18	Matamoros, Gulf of Mexico.	Evans.
1835. Nov. 10	....	Redfield's Chart XI.—Espy, p. 97.
1836. Nov. 30 to Dec. 21	United States, Nova Scotia.	Loomis, Trans. Am. Phil. Society of Philadelphia, vol. vii. N.S. p. 125—Redfield, Am. Jour. of Science and Arts, vol. xviii., 2nd Series, 1843.
1837. July 9	Barbados, St. Lucia.	Schomburgk—Reid's Attempt to develop, p. 43—Barbados Globe, July 20, 1837—Phillips's Barbados Almanac for 1839, p. 97.
1837. July 26	Barbados, Cuba,§ Martinique.	Schomburgk, pp. 62, 695—Reid's Attempt to develop, p. 47-57, Chart V.—Espy, p. 204 — Evans — Johnston — Barbados Globe, July 27, 1837—Phillips, p. 98—Jour. des Débats, 15 Sept.—Perrey.

* According to this almanac and Springer's Barbados Almanac, it was felt at St. Vincent on the 11th of Aug.

† On the 11th it was felt at St. Christopher.

‡ Mr. Johnston gives the date of 30-31, through an error.

§ By the N.E. of the Oriental department of Cuba.

DATES.	LOCALITIES.	AUTHORITIES.
1837. July 31	Antigua, St. Thomas.	Johnston.*
1837, Aug. 2–4	Antigua, St. Thomas, Barbuda.	St. Thomas Times, 5th Aug. 1837—Barbados Globe, Aug. 14, 21, and 28, and Sept. 7—St. Croix Gazette, Aug. 3—St. Christopher Advertiser, Aug. 7 and 8—Nevis Post, Aug. 2—Antigua Herald, Aug. 5, 12, and 19—Schomburgk—Knox, p. 215—Reid, Attempt to develop, pp. 48, 58–74, 86, Chart VI.—Evans—Johnston.
1837. Aug. 6	Little Antilles	Johnston.
1837. Aug. 12	N.E. of the Caribbean Islands.	Evans.
1837. Aug. 18–21	Lat. 30° 45′ N., long. 77° 27′.	Evans.†
1837. Aug. 12–23	Turk's Island..	Schomburgk — Redfield — Reid's Attempt to develop, pp. 74–132, 1498, Chart VII.
1837. Aug. 31	St. Mark	Redfield—Reid's Attempt to develop, p. 119–224.
1837. Aug. 31 to Sept. 3	Apalachicola, U. S.	Reid's Attempt to develop, p. 124–126.
1837. Sept. 27 to Oct. 10	Gulf of Mexico	Redfield's Track XV.—Reid's Progress of the Develop., pp. 13, 299, and Attempt to develop, p. 133–143—Piddington, p. 144.
1837. Oct. 1–3	Yucatan Channel into the Sea of Mexico.	Evans.‡
1837. Oct. 26	Cuba	Desiderio Herrera. §
1838. Sept. 10	Bahamas	Reid's Progress of the Develop., p. 40, and Attempt to develop, p. 437—Evans—Johnston.‖
1838. Nov. 1	Vera Cruz	Evans—Johnston.
1838. Nov. 26	Vera Cruz	Redfield's MSS.—Johnston.

* By the accounts given in the newspapers of St. Thomas, this hurricane seems to be the same which happened on Aug. 2 on that island.

† Lieut. Evans has taken the hurricanes of Aug. 12 and 18-21 as different; but according to his own account, and by examining the track traced by Col. Reid of the hurricane of the 12-23 of the same month, there is no doubt that the two mentioned by Lieut. Evans are the same as Col. Reid's. Lieut. Evans says that "on the 18th, 19th, and 21st of Aug., a most severe hurricane was experienced N. of the Florida Channel, by the Bristol ship *Feliza*, Capt. Reynolds, lat. 30° 45′ N., long. by chronometer 77° 27′ W.; it lasted fifty-six hours; wind from E. to S. and W.S.W. This storm curved whilst the ship was involved in it." Speaking of the hurricane of the 12th of Aug. he adds, "on the 22nd had reached the 40th degree north." Now the hurricane of Aug. 12-23 traced by Col. Reid, curved precisely at the same lat. and long. as that of the 18-21 of Lieut. Evans. It remains now to ascertain if the other gale mentioned by Mr. Johnston on the 6th Aug. at the Little Antilles, is not also the same hurricane of Col. Reid on a track far east of the Little Antilles, and six days previous. However, it is probably that of the seven hurricanes of August, 1837: some will be found, by a closer examination, to be the same one on different tracks of its course.

‡ This seems to be the same gale in which the steam-packet *Home*, Capt. White, was lost on the 9th, about six miles north of Oglethorpe Light, U.S. She sailed from New York for Charleston.—Barbados Globe, Nov. 27, 1837.

§ Lieut. Evans says that "on Oct. 27 a hurricane of fourteen to sixteen hours' duration was felt at New Providence: it came from E.S.E. during the night." This hurricane is probably the same which passed over Cuba on Oct. 26.

‖ Mr. Johnston says on Sept. 7 and 8.

Dates.	Localities.	Authorities.
1838. Nov. 26–28	Atlantic, European side.	Redfield—Traced by Reid, Progress of the Develop., p. 323—Piddington, 2nd edit. p. 76—Milne, Trans. of the Royal Society of Edinb. 1839.
1839. June 9	Antigua	Colla, i. c. p. 154—Perrey.
1839. Sept. 8–14	Bermuda	Redfield—Reid's Attempt to develop, 3rd edit. p. 438–452, with a Chart; and Progress of the Develop., p. 36, with a Chart—Piddington, 1st edit. pp. 27, 148, 157—Espy, p. 502—Lieut. Porter, New York Herald, Oct. 22, 1852—Johnston.
1839. Nov. 5	Galveston, near St. Louis Island, Gulf of Mexico.	Evans.
1839. Dec. 13–17	United States, North Atlantic.	Redfield, Track XVI. — Piddington, 2nd edit. p. 76—Traced by Reid, Progress to Develop., p. 254, 302, 329—Espy, p. 183—Evans.*
1840. May 23	Madeira	Bermuda Royal Gazette, Aug. 11, 1840—Philadelphia Gazette.
1840. Sept. 16	Porto Rico	Bermuda Royal Gazette, Oct. 16, 1840.
1841. Oct. 3–6	Nantucket, U.S.	Bermuda Royal Gazette, Oct. 26, 1841—New York Journal of Commerce, Oct. 11, 1841.
1841. Oct. 6	Barbados, St. Lucia.	Bermuda Royal Gazette, Nov. 16, 1841.†
1841. Oct. 21–28	Bermuda	Bermuda Royal Gazette, Oct. 26 and Nov. 2, 1841.‡
1841. Nov. 28	Cuba	Desiderio Herrera.
1842. July 12	Acracoke, Cape Hatteras, U.S.	Evans—Johnston.
1842. Aug. 30 to Sept. 9.	Atlantic to the shores of Mexico.	Redfield's Track XII.—Piddington, pp. 25, 144, Chart I., Track XII. M—Reid's Progress of the Devel., p. 295.
1842. Sept. 4	Cuba	Desiderio Herrera—Reseña de los Estragos del Huracan de 1846, p. 7—Redfield—Schomburgk.
1842. Oct. 2–10	Bermuda	Redfield's Track XIII., Silliman's Jour., 1846, p. 157—Piddington, p. 26, 134, 2nd ed., p. 155—Reid's Progress of the Devel., p. 295.
1842. Oct. 24–29	Madeira	Bermuda Royal Gazette, Dec. 13, 1842—Piddington, 2nd ed., p. 3—Reid's Progress of the Devel., p. 275.§
1842. Nov. 3	Lat. 36° 40′, long. 61°.	Bermuda Royal Gazette, Dec. 13 and 27, 1842.
1843. Oct. 13	Florida	Moniteur Belge, Oct. 26, 1843.
1844. Feb. 22	Martinique	National, June 9—Perrey.

* Lieut. Evans marks Dec. 5.

† This hurricane seems to be distinct from that of Oct. 21-28, because it could not take fifteen days to reach Bermuda on the 21st; nor is it the same which happened in Oct. 3-6, at Nantucket on the American Coast, on account of having been felt at Barbados on the same day on which it ended on the American Coast.

‡ The brig Grand Turk, from Jamaica, bound to Baltimore, encountered this same gale on the 28th, in long. 74° 30′, lat. 37°.—Bermuda Royal Gazette, Nov. 16, 1841.

§ See the Track on the Chart in Reid's work.

DATES.	LOCALITIES.	AUTHORITIES.
1844. May 12	Lat. 37° 47′ N., long. 65° 22′ W.	Bermuda Royal Gazette, May 21, 1844.
1844. Oct. 3	Cuba	Desiderio Herrera — Schomburgk — Redfield's Track XIV., Silliman's Jour., vols. i. and ii. N.S. 1846—Piddington, pp. 26, 133, 160, 208, 213, 215, 283—Thomson, p. 418—Reseña de los Estragos del Huracan de 1846, p. 7—Reid's Progress to Devel., pp. 295, 303, 311—Bermuda Royal Gazette, Nov. 12, 1844—Johnston—Evans.
1845. Oct. 12	Florida Channel	Johnston—Evans.
1845. Oct. 22	Bermuda	Reid's Progress of the Devel., p. 265-269.
1845. Oct. 27	Bermuda, E. side	Reid's Progress of the Devel., p. 265.
1845. Nov. 9	Bermuda	Reid's Progress of the Devel., p. 349.
1846. Sept. 11-21	Barbados, Guadaloupe, Antigua.	Redfield's Track XIX.—Schomburgk—Thomson, p. 419—Reid's Progress to Devel., p. 371—Bermuda Royal Gazette, Oct. 6 and 13, Nov. 24, 1846—Evans—Johnston.
1846. Oct. 6-18	Cuba, United States.	Desiderio Herrera — Schomburgk — Redfield, Track XX.—Piddington, pp. 134, 193, 195—Bermuda Royal Gazette, Oct. 20, Nov. 3, 17, and 24—Thomson, p. 419—Reseña de los Estragos del Huracan de 1846—Piddington, 2nd ed. p. 155—New York Daily News, Dec. 21—New York Evening Mail, Nov. 6—Mission Record, Feb. 1847, vol. ii. p. 19—Johnston—Diario de la Habana, Oct. 15, 20—Moniteur Belge, Nov. 22, 1846.
1846. Dec. 9	....	Indépendance Belge, Dec. 23, 1846.
1847. Feb. 21	Atlantic	Reid's Progress of the Devel., p. 359-361.
1847. Oct. 10	Tobago, Trinidad.*	Redfield — Bayley's Barbados General Almanac, p. 103—Mathieson's Tobago Almanac for 1849—Thomson, p. 409—Piddington, 2nd ed. p. 187—Evans—Johnston.
1848. Aug. 22 to Sept. 3.	Antigua	Redfield's Track XXI.—St. Christopher Almanac for 1855—Thomson, p. 421—Piddington, 2nd ed. p. 187—Reid's Progress of the Devel., p. 337; Track XXI.—Lieut. Porter, New York Herald, Oct. 22, 1852—Lieut. Maury's Sailing Directions, 6th edit., 1854, p. 309, plate x.
1848. Sept. 19	Barbados, St. Christopher.	Reid's Progress of the Devel., pp. 337, 358.
1848. Dec. 16	Atlantic	Reid's Progress of the Devel., pp. 362, 364-367.
1849. March 27	Lat. 48° N., long. 20° W.	Reid's Progress of the Devel., p. 334.
1850. March 30	Nassau	St. Vincent Almanac for 1851, p. 119—Moseley's Bahamas Almanac and Register for 1854.
1850. July 14-16	Southward and Westward Isles.	Bermuda Royal Gazette, July 23 and Aug. 6.

* This hurricane commenced at lat. 12° and long. 53° on Oct. 10, and passed over Tobago on Oct. 11.

Dates.	Localities.	Authorities.
1850. Aug. 21	Cuba	Andrés Poey, Anales de las Reales Juntas de Fomento y Sociedad Económica de la Habana, vol. iii. 1850, p. 42—Boletin del Faro Industrial, Aug. 22.
1850. Sept. 2	St. Nicholas, Cape Verde Islands.	Redfield, Amer. Jour. of Science and Arts, vol. xviii. 2nd series, 1854.
1850. Oct. 14	Lat. 24° 59′, long. 47° 10′.	Redfield, Amer. Jour. of Science and Arts, vol. xviii. 2nd series, 1854, Track XXV.
1850. Oct. 18	Lat. 25° 58′ N., long. 41° 19′ W.	Redfield, Amer. Jour. of Science and Arts, vol. xviii. 2nd series, 1854, Track XXVI.
1851. Aug. 16–28	St. Mark, Florida, St. Christopher, St. Thomas, Cuba.	St. Christopher Almanac for 1855—New York Herald, Oct. 23, 1852—Bermuda Royal Gazette, Sept. 2, 1851—Redfield, Track XXII. — Indépendance Belge, Sept. 28, 1851.
1851. July 10	Barbados, St. Domingo, St. Christopher.	St. Vincent Almanac for 1851, p. 123—St. Christopher Almanac.
1852. Jan. 12	Vera Cruz	El Eco del Comercio de Vera Cruz, 14 de Enero, 1852—Indépendance Belge, March 4 and 20, 1852.
1852. Sept. 22–26	St. Christopher, St. Eustatius, Porto Rico.*	St. Christopher Almanac for 1855—Bermuda Royal Gazette, Oct. 12—Liverpool European Times, Nov. 6, 1852—New York Express, Oct. 19, 1852—Lieut. Maury's Sailing Directions, 6th edit., 1854, plate xvii. p. 314—Indépendance Belge, Oct. 21, 1852.
1852. Oct. 9	St. Mark, Florida	New York Herald, 20, 23 Oct. 1852.†
1853. Aug. 30, Sept. 11.	Cape Verde, Hatteras, U.S.	Redfield's Track XXIV., Amer. Jour. of Science and Arts, vol. xviii., 2nd series, 1854—Annals of Science, conducted by H. L. Smith, Cleveland, U.S., vol. ii., Feb. 1854, p. 47.‡
1853. Sept. 27	Lat. 35° 19′, long. 56° 36′.	Redfield, Amer. Jour. of Science and Arts, vol. xviii., 2nd series, 1854—Capt. Maclean, in the London Shipping Gazette, Nov. 8.

* This is the same gale which Capt. Frith of the brigantine 'Lady Chapman' encountered near St. Eustatius, lat. 20°, long. 65° 15′, on the 26th; and which dismasted on the 30th the American brig 'Eolian,' Capt. Jordan, bound from New York to St. Juan de Nicaragua. This gale passed 250 miles E. of Barbados, and in the last week of September touched W. of Bermuda.—Bermuda Royal Gazette of Oct. 5 and 12, 1852. The Montserrat papers state that it was the most severe that has been experienced for the last thirty years.

† This may be the same gale that was felt at Prince Edward Island on the 15th of the same month, and at Sydney, N. S. Bark 'Vesta,' from Savannah for Boston, which sailed on the 15th, encountered on the 18th a terrific gale, which lasted 72 hours. N. Y. Herald, Oct. 28.—The brig 'Empire,' which arrived at Galveston on the 13th from New York, met a severe storm on the 30th Sept. Galveston Civilian, 15th Oct.; N. Y. Herald, 27th Oct. 1852.

‡ This is the last hurricane traced by Mr. Redfield, which traversed a distance of 7276 miles in about 12 days; at an average progression of nearly 26 miles an hour. The average progress of the storm while in the inter-tropical latitudes was near 13 miles per hour; but in the higher latitudes this rate was greatly increased, and after passing the Banks of Newfoundland the progress of the storm was equal to about 50 miles per hour.

DATES.	LOCALITIES.	AUTHORITIES.
1853. Sept. 28	Lat. 15° N., long. 34° 50′ W.	Lieut. Maury's Sailing Directions, 6th edit. —Redfield, Amer. Jour. of Science and Arts, vol. xviii., 2nd series, 1854.
1854. Oct. 21	Bermuda	Bermuda Royal Gazette, Jan. 2, 1855.
1855. Jan. 20	Baltimore to Halifax, U.S.	Bermuda Royal Gazette, Feb. 6, 1855.
1855. Feb. 10	Bermuda	Bermuda Royal Gazette, Feb. 27.
1855. May 24	Trelawny	Bermuda Royal Gazette, June 19.*
1855. Aug. 25, 26	Martinique, St. Domingo.	France d'Outremer—Gazette de France, Sept. 26, 1855—Le Siècle de Paris, Nov. 7 — Schomburgk — London Athenæum, Nov. 3, 1855, p. 1273.

TABLE showing the Monthly Distribution of 365† Cyclonic Hurricanes which have occurred in the West Indies and in the Atlantic Ocean within 362 years, from 1493 to 1855.

Months.	No. of Hurricanes.	Months.	No. of Hurricanes.
January	5	July	42
February	7	August	96
March	11	September	80
April	6	October	69
May	5	November	17
June	10	December	7
Total			365

This record shows that hurricanes have occurred in every month of the year, although they seem to be far more frequent from July to November, especially during August and September.

If we examine the distribution of hurricanes by centuries, according to my table, we come to the following conclusion :

Centuries.	No. of Hurricanes.
From 1493 to 1500	6
„ 1500 to 1623	16
„ 1623 to 1700	32
„ 1700 to 1800	158
„ 1800 to 1855	188
Total	400

It is to be observed that for the last half century my records show more cases of hurricanes than for any century previous, and that the 18th century offers also five times as many hurricanes as the 17th century, and so on. But it would not be prudent to deduce from this remark, that hurricanes have occurred with less frequency during the previous centuries than in the last; for as I have observed several times, in my investigations on the phenomena of hailstorms, lightning, and earthquakes in Cuba,‡ we are for the most part in

* 1855, Aug. 26, Santo Domingo, Schomburgk. *See* London Athenæum, Nov. 3, 1855.—ED.

† Although my Table comprises 400 hurricanes, yet there are 45 of which the month has not been ascertained.

‡ See my Memoirs on Hailstorms in Cuba in the *Annales de Chimie et de Phys.*, 3e. série, t. xliv.; on Lightning Storms in Cuba and the United States of America, in the *Annuaire de la Société Météorologique de France*, t. iii. p. 41; and the Chronological Table of Earthquakes which have occurred in Cuba from 1551 to 1855, in the *Nouvelles Annales des Voyages*, June, 1855.

want of meteorological data to establish any laws from the little materials which science possesses. It is only from the commencement of this century, and more especially from 1831, when Mr. Redfield drew the attention of philosophers and observers by his important discovery, that the phenomena of hurricanes have been more closely studied and observed.

A BIBLIOGRAPHICAL LIST of 450 Authors, Books, and Periodicals where some interesting accounts may be found, especially on the West and East Indian Hurricanes. By Andrés Poey, of Havanna, Cuba.

Authors.	*Books.*
ANDREWS	Rules in Seamanship; Bermuda Royal Gazette, Sept. 29, 1846—Annual of Scientific Discovery, edited by David A. Wells, A.M., Boston, 1853, p. 380.
ARAGO	Opinion of M. Arago on the Theory of Espy, Bache, Reid, and Redfield, Comptes Rendus de l'Acad. des Sciences de Paris, 1838, vol. vii. p. 708. See also, on different subjects of Hurricanes, An. de Chi. et Phy., vol. vii. p. 255, 1843; vol. viii. p. 66, 1818; vol. ix. p. 216, 1818; Comptes Rendus, vol. i. p. 403, 1835.
ARISTOTE	Météores, liv. 3, ch. i.; Traité de Mundo, ch. iv.
ARNOLD	Hurricane of Oct. 18, 1815, at Jamaica; Edin. Phil. Journal, vol. vii. p. 257.
ASHMORE	Pacific Hurricanes; Naut. Mag., 1851, p. 610.
AUSTEN	The Hastings and Sphinx Hurricane of Sept. 30 and Oct. 1 in the China Sea; Naut. Mag., 1852, p. 34.
BABINET	Exposé de la Théorie de M. Espy sur les Ouragans, Annales de Chimie et de Physique, 3e Série, vol. i. p. 372; Comptes Rendus, vol. xii., 1841.
BACHE	Note and Diagrams illustrative of the Directions of the Forces acting at and near the Surface of the Earth in different parts of the Brunswick Tornado of June 19, 1835, read to the Am. Phil. Soc. on April 2, 1836; Trans. of the Am. Phil. Soc., vol. v., 1837, New Series, p. 407.
	An Attempt to fix the Data of Dr. Franklin's Observations in Relation to the North-east Storms of the Atlantic States; Franklin Journal, November, 1833.
BADDELEY	On Dust Storms and Whirlwinds of Electricity; Phil. Mag., August, 1850, No. 248.
BASSNETT	Mechanical Theory of Storms, containing the True Law of Lunar Influence, &c., New York, 1854.
BAYLEY	Memoranda relative to Hurricanes; Barbados General Almanac for 1848.
BECCARIA	Traité d'Electricité artificielle et naturelle; Turin, 1753, chap. 7me.
BENNET	On Whirlwinds; Jour. of Voyages and Travels, vol. ii. p. 362.
BERGHAUS	Meteorologisch-Klimatographischer Atlas, Gotha, 1849, plate vii., Windkarte der Erde.
BERNOUILLI	Hydrodynamica; Strasbourg, 1738.
BERTHOLON (l'Abbé)	Des Ouragans; De l'Electricité des Météores, Paris, 1787, vol. ii. p. 309.
BIET	Description des Ouragans des Antilles qui eurent lieu à l'Ile de Barboude dans le Voyage de la France Equinoxiale en l'Ile de Cayenne entrepris par les Français en l'année 1652, Paris, 1664, p. 285.
BIRT	Handbook of the Law of Storms, being a Digest of the Principal Facts of Revolving Storms, Liverpool, 1853.
	The Hurricane Guide, being an Attempt to Connect the Rotatory Gale or Revolving Storm with Atmospheric

Authors.	*Books.*
	Waves, including Instructions for observing the Phenomena of the Waves and Storms, with Practical Directions for avoiding the Centres of the latter, London, 1853.
BIRT	On Barometric Undulation, the Rotatory Gale and its Origin; on Atmospheric Phænomena, in the Treatise by Edward Joseph Lowe, London, 1846, p. 356.
BLANE	An Account of the Hurricane at Barbados on Oct. 10, 1780; Edin. Phil. Trans. I., Part First, 30, 1788.
BOHUN	Discourse concerning the Origin and Properties of Wind, with an Historical Account of Hurricanes and other Tempestuous Winds, Oxford, 1671, p. 255; also Naut. Mag., 1841, p. 666.
BOSCOVICH	Dissertazione sopra il Turbino che la notte Tragli 11 e 12 Guigno, 1749, danneggio una gran parte di Roma; stampata in Roma stessa, 1749.
BOUSQUET	Lois des Tempêtes, ou Guide des Navigateurs, an abridged Translation, with Notes, of Piddington's Sailors' Hornbook; Maurice, 1849. Also, Fourth Memoirs on the Mauritius Hurricanes, presented to the Royal Society of Arts and Sciences of that Island.
BREWSTER	Correction of an Error in Professor Dove's Letter on the Law of Storms; Phil. Mag., vol. xviii. p. 514, 1841.
	The *Culloden's* Hurricane at the Cape of Good Hope in March, 1809; Edin. Review, vol. lxviii. p. 427, 1839.
BROWN	On the Storms of Tropical Latitudes; London Phil. Mag., 1843, vol. xxiii., September, p. 206, and October, p. 276.
BRUCE	On Whirlwinds; Trav., vol. ix. p. 422—Park, Trav., p. 135.
BUFFON	Sur les Vents, Ouragans, et les Trombes; Œuvres de Buffon, annotées par M. Flourens, Paris, 1853, tom. i.
BUGDEN	Account of the Hurricane, May 20, 1729; London, 1730.
BURT	Narrative of Proceedings on board His Majesty's ship Theseus, Sept. 4–15, 1804; being an Account of a Hurricane which she encountered in the Atlantic Ocean, 1809, fol.
CALDBECK	Typhoon in the China Sea; Naut. Mag., 1843, p. 368.
CAPPER (JAMES) ..	Observations on Winds and Monsoons, with Chart; 4to., London, 1801, p. 57.
CAPPER	On Prevailing Storms of Atlantic Coast of North America; Jameson's Journal, vol. xviii.
CARLESS	Remarks on the Course of the Hurricane which occurred on the Malabar Coast in April, 1847, and on the probable Position of the Steam-Frigate Cleopatra at the time; Journal of the Royal Geographical Society of London, vol. xix., 1849, p. 76; also Trans. of the Bombay Geographical Society, vol. viii., 1849, p. 93.
CHAVALON	Voyage à la Martinique; Paris, 1763, p. 14.
CHRISTIAN (Capt.E.)	Account of a Typhoon in the China Sea on the 15th of Sept. 1852, addressed to the Managing Directors, Peninsular and Oriental Company, London.
CHURRUCA	Viage al Magallan, 1793, p. 15.
CLARE	Opinion on the Cause of Hurricanes; Motion of the Fluids, London, 1737, p. 258.
COLUMBUS	Vida del Almirante, by Fernando Colon, p. 56.
COUDRAYE	Théorie des Vents, Mémoire couronné en 1785 par l'Acad. de Dijon.
CRANTZ	On the Greenland Storms; History of Greenland, vol. i. p. 47.
DAMPIER	Traité des Vents alisés ou réglés, des Vents précis de Mer et de Terre, des Tempêtes, etc., Amsterdam, 1701, p. 58; also Voyage, vol. ii. p. 466; Voyage à Achin et Tonquin, ch. 2e.

Authors.	*Books.*
DANIELL	Meteorological Essays and Observations, p. 263, 77–129.
	Elements of Meteorology, 3rd edit., p. 198.
DE LA LANDE	Histoire de l'Astronomie, 1805; Magasin Encyclopédique, Mars, 1806, p. 69.
DELDEN	Dutch Translations of the Works of Dr. Thom and of the Sailor's Horn-book of Piddington.
DERBY	On Hurricanes and Whirlwind; Phil. Trans., 1735, vol. viii. p. 499.
DESCARTES	Œuvres complètes de Descartes, publiées par Victor Cousin; Paris, 1844, vol. v. pp. 196, 250.
DESCOURTILZ	Voyage d'un Naturaliste; Paris, 1809, vol. ii. p. 357.
DIDEROT	Ouragans; Encyclopédie de Diderot et d'Alembert, vol. xi. p. 646.
DOBSON	On the Theory of Cyclones, Waterspouts, &c.; Phil. Mag., 4th Series, vol. vi., No. 41, December, 1853, p. 438—Annals of Science, conducted by Hamilton L. Smith, Cleveland, U.S., vol. ii., May, 1854, p. 136.
DOVE	Outlines of a General Theory of the Winds; Poggendorff's Annalen, vol. xxxvi. p. 321—London and Edin. Phil. Mag., 1837, 3rd Series, vol. ii. p. 227, 353.
	On the Law of Storms; Phil. Mag., Nov., 1840, vol. xvii. p. 366.
	Notice respecting the Error in his Letter on the Law of Storms, pointed out by Sir David Brewster at p. 514; Phil. Mag., Suppl. to vol. xvii. p. 608, 1841.
	On the Law of Storms; Poggendorff's Annalen der Physik und Chimie, 1841; Taylor's Scientific Memoirs, London, 1843, vol. iii. p. 197.
	Refutation of Brande's Theory; London and Edin. Journal of Science, Nos. 67, 68.
	Mémoire sur la Manière dont le Baromètre se comporte pendant les Ouragans; Académie des Sciences de Berlin, Avril, 1845 (Extrait de l'Institut du 27 Août, 1845)—Bibliothèque Universelle de Genève, 1845, p. 378.
	Theory of Hurricanes; Pogg. Ann., vol. lii. p. 1.
	De la Loi du Changement des Vents, extrait des Recherches Météorologiques de M. H. W. Dove, Berlin, 1837; Biblio. Univ. de Genève, 1838, vol. xvii. p. 141.
	Meteor. Untersuchungen, 1837, p. 124–138.
	Die Witterungs; Geschichte der letzten zehn Jahren, 1840–1850.
DUHAMEL	Philosophia vetus et nova, ad usum, etc., Paris, 1681, vol. v.; Meteor., cap. vii. § 8, etc.
DUNBAR	Détails de Deux Ouragans qui eurent lieu près du Mississippi en 1779 et 1780; Trans. de la Société Am. de Philadel., vol. vi., Part I., 2e Série, 1804—Bibl. Univ. de Genève, 1808, vol. xxxviii. p. 110.
DU TERTRE	Sur les Ouragans des Antilles; Histoire Générale des Antilles, Paris, 1667, vol. ii. p. 71.
EDWARDS	History of the West Indies; London, 4th Edition, 1805, vol. i. p. 197.
ESPY	Philosophy of Storms; Boston, 1841.
	Examination of Reid's Law of Storms; Journal of the Franklin Institute, 1839, vol. xxiii. pp. 38, 149, 217, 289.
	North American Review, No. CXXIII., April, 1844, p. 335.
	Journal of the Franklin Institute, August, No. II., p. 100; October, No. IV. p. 239, 1836.
	Rapport sur les Travaux de M. Espy relatifs aux Tornados, fait à l'Académie des Sc. de Paris dans sa Séance du 15 Mars, 1841; par M. Babinet, Rapporteur. (Comm. MM. Arago, Pouillet, et Babinet.) Comptes Rendus de l'Acad.

Authors.	*Books.*
	des Sc., vol. xii., 1841; Bibliothèque Universelle de Genève, 1841, vol. xxxiv. p. 139.
ESPY	Deductions from Observations made, and Facts collected, on the Path of the Brunswick Spout of June 19, 1835; Trans. of the Am. Phil. Soc., N. S., Philadelphia, 1837, vol. v. p. 421.
	Facts and Observations respecting the Tornado at New Brunswick, New Jersey, in June last, Trans. of the Am. Phil. Soc., N. S., p. 381.
	First Report on Meteorology to the Surgeon-general of the United States Army.
	On Storms—Report of the Tenth Meeting of the British Association, 1840, p. 30; The London Athenæum, No. 676, October 10, 1840, p. 794.
	Analyse des Travaux d'Oersted et Espy sur les Ouragans; Bibliothèque Universelle de Genève, 1839, Sept., vol. xxiii. p. 145; and 1841, July, vol. xxxiv. p. 139.
	Mémoires sur les Ouragans et les Trombes, Jour. de l'Institut, vol. viii. p. 436.
EUSTIS	The Tornado of August 22, 1851, in Waltham, West Cambridge, and Medfort, Middlesex County (Mass.). Plan—Memoirs of the American Academy of Arts and Sciences, N. S., vol. v. 1st Part, 1853, p. 169; Annuaire de la Société Météorologique de France, vol. ii. 1854, p. 16; Proceedings of the Am. Ac. of Arts and Sciences, vol. ii. 1852, pp. 269, 284, 285, 289, 298, 301.
EVANS (*see* Stormy Jack)	Hurricane of January 13, 1843; Naut. Mag., 1843, p. 135.
FARRAR	Account of the Boston Storm of September 23, 1815, Am. Phil. Trans., and reprinted in Brande's Quarterly Journal of Science, 1819, p. 102.
FINDLAY	On Hurricanes—Pacific Ocean Directory, London, 1851, Part 2, p. 1207.
FITZ-ROY	Voyage of H. M. SS. Adventure and Beagle (surveying vessels), vols. i. and iii. p. 53; Appendix to vol. ii. p. 277.
FORBES	On the Hurricane of December 7, 1827; Ed. Journ. of Sc., vol. ix. p. 139.
	Supplementary Report on Meteorology to the British Association. Tenth Meeting, 1841, p. 109.
FORNIER-DUPLAN ..	Essai sur la Loi des Tempêtes ou des Coups de Vent, appliquée aux Mers des Indes et de Chine; par H. Piddington, traduit de l'Anglais par M. Fornier-Duplan, Capit. de Corvette; extrait des Annales Maritimes et Coloniales, publiées par MM. Bajot et Poirré, Avril, 1845; The Bengal and Agra Annual Guide and Gazetteer of 1842, 2nd Part, vol. i. p. 2.
FORTH	A Letter to the late Rev. William Derham, D.D., F.R.S., concerning the Storm, Jan. 8, 1734; Phil. Trans., 1735, vol. viii. part 2, p. 285.
FOWLE	General Account of the Calamities occasioned by the late tremendous Hurricanes and Earthquakes in the West India Islands, &c.; London, 1781. 8vo.
FRANKLIN (DR.) ..	Works, Sparks's Edit., vol. vi. p. 201; Théorie de Franklin sur les Ouragans de l'Amérique; Œuvres, vol. ii. p. 78.
FRANKLIN, J. J.....	Notice of the Storms at Madras on October 20 and November 25, 1846; Madras Journal of Literature and Science, vol. xiv. 1847, p. 146.
FREEMAN	Nautical Magazine, May, 1849.
FRUNEAU.....	Description de huit Tempêtes, et Considérations sur les Ouragans; Considérations conjecturales et d'hypothèses sur la Lune et les Marées, les Vents, etc., par les Electricités, Nantes, 1829, pp. 11–44, 117, 130, 136.

Authors.	*Books.*
GALLE	On the Extension of Dove's Law of the Rotation of the Wind to the Southern Hemisphere; Poggendorff, Ann., vol. xxxi. p. 465; vol. xxxviii. p. 472.
GAYLORD	On the Tornado of July 25, 1838; Am. Jour. of Science and Arts, vol. xxxvii. p. 92.
GILBERT DES MOLIÈRES.	Mémoire sur la Météorologie de l'Ile de Bourbon.
GOLDBERRY	Account of the Tornadoes.
GORDON	Report on the Dust Whirlwinds of the Punjab; Jour. of the Asiatic Soc. of Bengal, vol. xxiii. 1854, p. 365.
GRAND	History of the Mauritius, London, 1801, p. 171.
GREBOM	Further Particulars of the Hurricane in the Havanna on October 10 and 11, 1846, experienced on board the brig William Murray of Liverpool; Naut. Mag., 1847, p. 216.
HALL, BASIL	On the Trade Winds, in Daniell's Meteorology, p. 465; Foreign Quarterly Review, April, 1839.
HALLEY	On the Cause of the Fall of the Barometer during a Hurricane—Essai sur les Variations du Baromètre par Kirwan; Journal de Physique, 1791, p. 106.
HALLIDAY	On the West Indian Hurricanes; Natural and Physical History of the West Indies, London, 1837, p. 29.
HARE, ROBERT	Question relating to the Theory of Storms; Merchant Magazine, July, 1852, p. 191.
	Strictures on Prof. Espy's Report on Storms, Albany, 1852.
	On the Conclusion arrived at by a Committee of the Academy of Sciences of France, agreeably to which Tornados are caused by Heat, &c., with Objections to the Opinions of Peltier and Espy; by Dr. Hare, 2nd Edit. revised and amended, Philadelphia, 1852; New York, 1853.
	On the Whirlwind Theory of Storms; Proceedings of the American Association for the Advancement of Science, Fourth Meeting, August, 1850, p. 231.
	On the Whirlwind Theory; New York Herald, Sept. 28, 1852.
	Additional Objections to Redfield's Theory of Storms; London Phil. Mag., vol. xxiii., August, 1843, p. 92.
	On the Causes of Tornados, or Waterspouts; Trans. Am. Phil. Soc., Philadelphia, vol. v. 1837, p. 375.
	Sur la Cause des Tempêtes; Bibliothèque Universelle de Genève, 1842, vol. xxxvii. p. 168.
HARVEY	Treatise on Meteorology.
HERRERA, DESIDERIO,	Memoria sobre les Huracanes en la Isla de Cuba, Habana, 1847.
HERSCHEL	Manual of Scientific Inquiry, London, 1851, 2nd Edit., p. 316; also Astronomy, p. 132.
HOL	Hurricane of November 19, 1321, in which the Dykes of Holland were overthrown and 100,000 persons perished, and at Christmas 1330; Hol. Chronology, vol. i. book vi., p. 135; vol. iii. pp. 170, 243, 348, 473.
HOMMEY	Observations sur les Tempêtes tournantes, publiées par ordre des Lords Commissaires de l'Amirauté Anglaise, et traduit en Français par M. Hommey; Annales Hydrographiques, 2e Partie, Paris, 1852, vol. iii. p. 339.
HOPKINS	On the Atmospheric Changes which produce Rain, Wind, and Storm, Manchester, 1854, p. 71.
HORSBURGH	East India Sailing Directions, 4th Edit., London, 1836, vol. ii. p. vii.
HOWARD	Climate of London, 1833, vol. i. p. 219, 254; vol. iii. p. 127.
HUGHES	On the Cause of Hurricanes; Natural History of Barbados, London, 1750, p. 25.
HUMBLE	Hurricane Theory; Naut. Mag., 1848, p. 136.
HUMBOLDT	Essai Politique sur l'Ile de Cuba, Paris, 1826, vol. i. p. 96.

Authors.	*Books.*
HUMBOLDT	Examen Critique de la Géographie du Nouveau Continent, vol. iii. p. 64-112; vol. iv. p. 253.
HUNT	Extract of a Letter from the British Consul at the Azores relative to the Courses of Twenty Gales of Wind at those Islands during the years 1840 and 1841; Naut. Mag., 1842, vol. xi. p. 145.
HURRICANES	Huracan acaecido en los dias 10 y 11 de Octubre de 1846; Memorias de la Sociedad Económica de la Habana, 2a Serie, vol. ii., November, 1846.
	History of Jamaica and Barbados, with an Account of the Lives lost and the Damages sustained in each Island by the last Hurricane, London, 1781. (Anonymous.)
	Apuntes sobre el Huracan del once de Octubre de 1846 que tuvo lugar en la Isla de Cuba; Alcance al Diario de la Marina, del 12 al 20 del mismo mes.
	Sobre el Temporal del 3 de Junio, 1832, que tuvo lugar en la Isla de Cuba; Boletin del Lucero, 6th June, 1832.
	Hurricane, March 28, 1817, at Mauritius; Edinb. Encyclopædia, vol. xiii. p. 386.
	Hurricane of October 9, 1819, in Kutch, on the West Coast of India; Phil. Jour., vol. iii. p. 198.
	Details of the Storm on the 10th August, 1831, which affected Barbados, St. Vincent, and St. Lucia; The London Times, October 10, 1831.
	Relacion de los Estragos causados por el Temporal del once de Octubre de 1846, en el orden en que ha publicado en el Diario de la Habana; Habana, 1846.
	Cuadro Estadistico de la siempre fiel Isla de Cuba, Habana, 1846, p. 7.
	The Hurricane of November 29, 1836; Naut. Mag., 1837, vol. i. p. 808; North Atlantic Hurricanes, Naut. Mag., 1836, vol. v. p. 18.
	An Account of the Perilous Situation of H. M. S. Centaur during a Hurricane on July 29 and 30, 1805, by a Sailor; Naut. Mag., vol. v. 1836, p. 164.
	Notice on Hurricanes, vol. i. 1838, p. 133, Naut. Mag.
	Hurricane at Port Essington, North Australia, from the Sydney Herald, May; Perth Gazette; Naut. Mag. 1840, p. 738.
	Prognostics of a Hurricane near Swan River; Naut. Mag., 1841, pp. 745, 752.
	A Hurricane in the Bay of Bengal, from an Abstract of the Log-Book of the Ship 'William Wilson,' of Calcutta; Naut. Mag., 1842, p. 670.
	Hurricanes of the Pacific Ocean; Naut. Mag., 1843, p. 3.
	Hurricane at Carthagena on Oct. 21, 1843; Naut. Mag., 1844, p. 61.
	Hurricanes in 1837; Naut. Mag., 1844, p. 106.
	Hurricane in the Pacific; Naut. Mag., 1845, p. 424.
	The Favourite's Hurricane; Naut. Mag., 1845, p. 699.
	Hurricanes of 1845; Naut. Mag., p. 549.
	Hurricane in the West Indies; Naut. Mag., 1846, p. 666.
	The 'Maria Somes' Hurricane of March, 1846, and Rules for knowing them; Naut. Mag., 1846, pp. 455, 531, 650.
	The 'Pluto's' Hurricane; Naut. Mag., 1846, p. 607.
	The 'Sophia Frazer's' Hurricane; Naut. Mag., 1847, p. 209.
	Typhoon in the China Sea; Naut. Mag., 1848, p. 147.
	Storm at Madeira in 1842; Naut. Mag., 1848, p. 405.
	Hurricane at Hong-Kong, and a Typhoon; Naut. Mag., 1849, p. 35.
	The 'Havannah's' Hurricane; Naut. Mag., 1849, p. 260.

Authors.	*Books.*
HURRICANES	Good Management of a Hurricane; Naut. Mag., 1849, p. 499.
	On Laying Ships by in a Hurricane; Naut. Mag., 1849, p. 565.
	'Moultan's' Hurricane; Naut. Mag., 1850, p. 470.
	A Hurricane in Antigua; Naut. Mag., 1853, p. 232.
	Hurricane of October 3, 1780, in the West Indies; Scots Magazine, Edinb., 1780, vol. xlii. p. 652.
	On the Law of Storms; Foreign Quarterly Review, April, 1839.
	On the Statistics and Philosophy of Storms; Edinb. Review, January, 1839.
	Return of the Admiralty Register of Wrecks and Casualties to Shipping, with Wreck Chart of the British Isles; published yearly, London.
	The Storm; or, a Collection of the most remarkable Casualties and Disasters which happened in the late dreadful Tempest, both by Sea and Land; London, 1704.
	Remarks on the Revolving Storms; London, 1851.
	Un Ouragan aux Antilles, 20 et 21 Septembre, 1834—Martinique, Guadaloupe, et la Dominique; Journal de la Martinique, etc., vol. ii., 1834, p. 337.
	Account of a Whirlwind felt at Cambridge, in New England, on the 10th of July, 1760; Phil. Trans. vol. lii. 1761, p. 9; British Review, vol. lvi. p. 192; Dictionnaire des Merveilles de la Nature, par A. S. D., Paris, 1802, vol. iii. p. 107.
	On the Velocity of Hurricanes; London Encyclopædia, vol. xiv. p. 431.
	Transparent Storm Circles for the use of Sea Commanders. Geographical Journal, vol. xiii. p. 67.
	A volume composed of papers by the Corps of Royal Engineers contains a paper on Hurricanes.
IDELER	Meteorologia Veterum, p. 58.
	Geogr. der Griechen, vol. ii. p. 128.
IRVING	Life and Voyages of Christopher Columbus; New York, 1850, vol. i. p. 96; vol. ii. p. 68; vol. iii. p. 212.
JAMES	Description and Remarks on the Gale in the Bahama Islands, November 10–23, 1853, to accompany Meteorological Observations taken during the Period of its passing over the Island of New Providence on the Night of November 22, 1853; with a Plan of the Bahama Islands, showing the Geographical Position of certain Vessels which experienced the Gale.—[This Plan has not been engraved.]—Abstracts from the Meteorological Observations taken at the Stations of the Royal Engineers in the Year 1853–4, etc.; London, 1855, p. 117.
JAMINGS	Hints on Sea Risks.
JOHNSON	On the Tornado which desolated a portion of the City of New Brunswick, New Jersey, on June 19, 1835, explaining the upward force of the Wind by the Theory of Espy; Journal of Acad. of Nat. Scien., Philadelphia, vol. vii. part ii.; Edinb. Jour. of Nat. Hist., Sept., 1838, p. 160.
JOHNSTON	Physical Atlas; Edinburgh, new and enlarged edition, 1855, 1856, plate 19, p. 61; also the reduced edition, imperial 4to., of 1850, plate 13, p. 55.
JONES	History of Ancient America; London, 1843, 3rd edit., vol. ii. p. 298.
KAIN	Account of a Hurricane which visited Shelbyville, Tennessee, June 1, 1830—Annals of Electricity, Magnetism, and Chemistry, by W. Sturgeon, vol. ii., February, London, 1838, p. 128.

Authors.	*Books.*
KELLER	Des Typhons de 1848, des Ouragans Obliques et des Coups de Vent fixe, etc.—Annales Hydrographiques, 1848–1849, pp. 211–252.
	Des Ouragans, Tornados, Typhons, et Tempêtes—Annales Maritimes et Coloniales; publiées par MM. Bajot et Poirré; Paris, 1847.
	Du Typhon du 11 au 14 Septembre, 1849—Annales Hydrographiques, vol. iv., 1850, 2e semestre, p. 116; also Moniteur du 7 Mars, 1855.
KERHALLET	Chapitre sur les Ouragans, dans les Considérations Générales sur l'Océan Atlantique; 3rd edit., Paris, 1854, pp. 64–73; et Appendix, pp. 175–188.
KIRCHER	Mundus subterr., lib. iv. prep. iv.
LABAT	Nouveau Voyage aux Iles de l'Amérique; Paris, 1742, vol. ii. pp. 278, 281, 468.
LANGFORD	Observations on Hurricanes and their Prognostics; Phil. Trans., 1698, vol. xx. p. 407; Naut. Mag., 1840, p. 638.
LARDNER	Hand-Book of Natural Philosophy and Astronomy, 3rd Course, London, 1853, p. 30.
LARTIGUE	Observations sur les Orages dans les Montagnes des Pyrénées —Remarques sur l'Analogie des Orages des Pyrénées avec les Ouragans des Régions Intertropicales et des Mers adjacentes aux Côtes des Etats-Unis—Comptes Rendus de l'Acad. des Sc. de Paris, vol. xli. 1855, p. 1015—Moniteur, 19 December, 1855; also Exposition du Système des Vents, 2nd edit., Paris, 1855.
LAVAL	Sur les Ouragans des Antilles, Voyage de la Louisiane, fait par ordre du Roy en 1720; Paris, 1728, p. 227.
LEBLOND	Voyages aux Antilles et à l'Amérique Méridionale; Paris, 1813, vol. i. p. 396.
LEDRU	Voyage aux Iles de Ténériffe, la Trinité, St. Thomas, Ste. Croix, et Puerto Rico; Paris, 1810, p. 182.
LEFEBVRE	Mémoire sur les Ouragans de la Mer des Indes au sud de l'Equateur; Annales Hydrographiques, 2e partie, Paris, 1852.
LEIGHTON	Hurricane at Honduras; Naut. Mag., 1839, p. 246.
LEMERY	Explication Physique et Chimique des Feux Souterrains, des Tremblements de Terre, des Ouragans, etc.—Histoire de l'Acad. des Sc. de Paris, 1700, pp. 51, 101.
LE VERRIER and LIAIS.	Sur la Tempête de la Mer Noir en Novembre, 1854—Comptes Rendus de l'Acad. des Sc. de Paris, vol. xli. 1855, p. 1197 —Jour. le Cosmos by l'Abbé Moigno, vol. viii. 1856, pp. 3, 47.
LONG	On the Hurricanes of Jamaica; History of Jamaica, London, 1774, vol. i. p. 364; vol. iii. p. 620.
LOOMIS	On the Storm which was experienced throughout the United States about December 20, 1836; Am. Phil. Trans., N. S., 1841, vol. vii. p. 125.
	Supplementary Observations on the Storm which was experienced throughout the United States about December 20, 1836; Trans. of the Am. Phil. Soc., vol. viii., N. S., 1843, p. 305.
	On Two Storms which were experienced throughout the United States in February, 1842; Trans. of the Am. Phil. Soc., vol. ix., 1846, p. 161.
	Calcutta Review, October, 1847.
LUCRÈCE	vi. 422. Trans. of de Lagrange.
LYALL	Hurricane in South Indian Ocean; Naut. Mag., 1852, p. 384.
MAILLE	Observations de M. Maille sur le Rapport de M. Babinet sur les Travaux de M. Espy; Nouvelle Théorie des Hydrométéores, Paris, 1853.
MARCY	Bull. de la Société de Géographie de Paris, No. 125, p. 194.

Authors.	*Books.*
MARMIER	Lettres sur l'Amérique; Bruxelles, 1851, vol. i. p. 218.
MARTIN	Memoir on the Equinoctial Storms of March, April, 1850: an Inquiry into the Extent to which the Rotatory Theory may be applied; London, 1852.
MAURY	Opinion on the Cause of Hurricanes; New Phil. Journal, vol. li. p. 271.
	Physical Geography of the Sea; London, 1855, p. 257.
	Gales of the Gulf Stream, p. 303—Data for the Gale of 1848, plate x. p. 309—Data for the Gale of 1852, plate xvii. p. 314—Explanations and Sailing Directions to accompany the Wind and Current Charts; 6th edit., Philadelphia, 1854.
	Storm and Rain Chart of the North Atlantic, 1853, series E.
M'CLURE	The Hurricane in the West Indies; Extract of a Letter dated Her Majesty's ship 'Rodney,' at Havanna, October 9, 1844; Naut. Mag., 1845, p. 15.
METHVEN	Narratives written by Sea Commanders, illustrative of the Law of Storms, and of its Practical Application to Navigation—No. I., the 'Blenheim's' Hurricane of 1851, with some Observations on the Storms of the South-East Trade-Wind; London, 1851.
MILLER.....	Hurricanes in the Eastern Seas—Redfield's Theory; Naut. Mag., 1843, p. 145.
	How to Make Use of a Hurricane; Naut. Mag., 1843, p. 644.
MILNE	Trans. Royal Society of Edinb., 1839, and vol. xiv. 1840, p. 467.
MITCHELL	On the Proximate Causes of certain Winds and Storms; Silliman's Journal, 1831, vol. xix. p. 248; Edinb. New Phil. Jour., vol. xi.
	On Storms and Meteorological Observations (this is a reply to Mr. Redfield's first paper on Storms); Silliman's Jour., 1831, vol. xx. p. 361.
MOIGNO	Application du Télégraphe Électrique à l'Étude des Ouragans, par M. Espy; Traité de Télégraphie Électrique, 2de edit., Paris, 1852, p. 127.
MOREAU DE JONNÈS	Sur les Ouragans des Antilles, avec un Tableau Chronologique de ceux qui eurent lieu; Histoire Physique des Antilles Françaises, Paris, 1822, vol. i. p. 346.
MOREAU DE SAINT MERY.	Des Ouragans de Saint Domingue; Description Topographique et Politique de la partie Espagnole de l'Ile de Saint Domingue; Philadelphie, 1796, vol. i. p. 27, 114, 247.
MORGAN	Concerning Wind and Water Spouts, Tornados, and Hurricanes; Trans. American Society, vol. i. p. 335.
MORIN.....	Correspondance pour l'Avancement de la Météorologie, Nevers, 1827, paragraphs 211, 212, 572 to 575, 662, 702, 704, 708, 709, 789, 796.
MOSIER	On Whirlwinds; Society Journal, p. 202.
MOTINER.....	Hurricane on Sept. 23, 1658, which raged in Europe, was felt in England—the depression of the barometer on that occasion was possibly the cause of the death of Cromwell, which took place that day—David P. Thomson, Introduction to Meteorology; Edinb. 1849, p. 412.
NEVINS	Examination of the Storms which have visited England and Ireland during the Years 1852, 1853, and 1854, with reference to the Theory of Rotatory Storms—Report of the Twenty-fourth Meeting of the British Association; London, 1855, p. 30.
NEWBY	Account of the Hurricane of August 2, 1837, at St. Thomas; Naut. Mag.
NICOLSON (le Père)	Description de l'Ouragan du 4 Août, 1772, qui eut lieu à

Authors.	*Books.*
	Saint Domingue—Essai sur l'Histoire Naturelle de St. Domingue; Paris, 1776, p. 128.
NICHOLSON.....	Nicholson's Journal, 4th S., London, 1797, vol. i. p. 583.
OERSTED AND ESPY	Analyse des Travaux d'Oersted et Espy sur les Ouragans; Bibliothèque Universelle de Genève, 1839, Sept., vol. xxiii. p. 145; et 1841, Juillet, vol. xxxiv. p. 139.
OLMSTED	On Whirlings produced by the Burning of a Cane-brake in Alabama—Proceedings of the American Association for the Advancement of Science, Fourth Meeting; Washington, 1851, p. 361—Annual of Scientific Discovery for 1851, p. 163, edited by David A. Wells, A.M., Boston.
ORME	History of Hindostan.
OVIEDO	Description of the Hurricanes which occurred in 1508 and 1509 at Saint Domingo—Historia General y Natural de las Indias, Islas y Tierra Firme de la Mar Océano; Madrid, 1851, primera parte, p. 167.
PAGE	Écho du Monde Savant, vol. i. p. 177.
PARSONS	Account of a Tornado that passed near Providence, Rhode-Island, in 1838—Proceedings of the Am. Ac. of Arts and Sciences, vol. ii. 1852, pp. 101, 291.
PEIRCE	Prof. Espy's Theory of Storms: U.S. Miscellany, Aug. No. 2, p. 100.
PELTIER	Formation des Trombes, Paris, 1840, p. 15—Observations sur les Orages de Grêle et l'Ouragan du 18 Juin, 1839—Moniteur Belge, July 22, 1839.
PERKINS	Trans. Am. Phil. Soc. 1786, vol. ii. p. 335.
PEYSSONNEL	On the Currents and Hurricanes of the Antilles, in the Phil. Trans., 1756.
PIDDINGTON	The Sailor's Horn-Book for the Law of Storms, being a Practical Exposition of the Theory of the Law of Storms, and its uses to Mariners of all Classes in all parts of the World, shown by Transparent Storm Cards and useful Lessons; 2nd edit., London, 1851.
	Twenty-three Memoirs on the Law of Storms in the Indian and China Seas, &c., from 1839 to 1854; Journal of the Asiatic Society of Bengal, from vol. viii., 1839, p. 559, to vol. xxiii., 1854, p. 505.
	Notes on the Law of Storms, for the use of the Expedition to China; two editions.
	Instructions to the Officers of the Antarctic Expedition; Phil. Mag., vol. xv., 3rd series.
	On a Geometrical Measurement of the Distances from crest to crest of the Barometric Waves in a Cyclone; Jour. of the Asiatic Society of Bengal, vol. xxii., 1853, p. 77.
	The Hornbook of Storms for the Indian and China Seas; 1844 to 1847.
	The Charles Heddle's Hurricane—Law of Storms in India; Naut. Mag., 1846, pp. 427, 459, 520.
	Management and Mismanagement in Hurricanes; Naut. Mag., 1851, p. 35.
	Hurricanes, Directions for Observers—the following is reprinted from the Sailor's Horn-Book; London, 2nd edit. 1851.
	Conversations about Hurricanes, for the use of Plain Sailors; London, 1852.
PLINY	Tourbillons, Presters, Ouragans, et autres Orages terribles; Hist. Nat., Traduc. Nouvelle, par M. Grandsaque, Paris, 1829, vol. ii. p. 115, L. 49.
POEY, ANDRÉS	Breve Reseña de la hora en que principió y concluyó el Temporal acaecido del 21 al 22 de Agosto de 1850, en la Habana y en diversas Localidades de la Isla, con especi-

Authors.	*Books.*
	ficacion de la Direccion que siguió el viento—Anales de las Reales Juntas de Fomento y Sociedad Económica de la Habana, vol. iii., 1850, p. 42.
POEY, ANDRÉS.....	Analisis de los Trabajos de M. W. C. Redfield sobre la Ley de los Huracanes, explicada por medio de una Accion giratoria, con especificacion de los demas Autores quehan tratado esta cuestion; Revista de la Habana, vol. i., 1853, pp. 43, 63.
	Sur la Force Ascensionnelle qu'exercent les Ouragans à la surface du Sol, comme pouvant donner lieu à la Production des Tremblements de Terre—Comptes Rendus de l'Ac. des Sc. de Paris, t. xli. 1855, p. 585—Nouvelles Annales des Voyages, 6e Série, December 1855; also Annuaire de la Société Météorologique de France, vol. iii. 1855, p. 40.
PORTER	The Theory of Storms; New York Herald, Oct. 22, 1852.
PURDY	Northern Atlantic Ocean; 10th edit., Lond. 1853, p. 135, Corrected and materially Improved from many Original Communications by Alex. G. Findlay.
QUETELET	Sur la Théorie des Ouragans de M. Espy; Annuaire Météorologique de la France, 1852—Climat de la Belgique, Part 4, p. 99, Bruxelles, 1851.
	Note sur l'Ouragan du 28 Juin, 1853, qui eut lieu en Belgique—Acad. des Sc. de Bruxelles, séance du 2 Juillet, 1853.
RAFFLES	On Whirlwinds; History of Java, i. 28.
RAPER	Practice of Navigation and Nautical Astronomy, 5th edit., Lond., 1854, p. 348.
REDFIELD	Remarks on the Prevailing Storms of the Atlantic Coast of the North American States; Amer. Jour. of Science and Arts, vol. xx. p. 17,* 191, 1831.
	On Three several Hurricanes of the American Seas, and their Relations to the Northers, so called, of the Gulf of Mexico and the Bay of Honduras, with Charts illustrating the same—Introduction-Gale or Norther of the Gulf of Mexico in October, 1842—Hurricane of the Honduras Sea, Cuba, and the Western Atlantic, in October, 1844; vol. i. pp. 1, 153, 333.
	Review of the Phenomena and Characteristics of the Cuba Hurricane—Phenomena of the Cuba Hurricane and Contemporary Storms—Lake Gale or Hurricane of October 18, 1844, vol. ii. pp. 162, 311, 321; Amer. Jour. of Science and Arts, 2nd Series, 1844.
	On the Gales and Hurricanes of the Western Atlantic—U. S. Naval Magazine, vol. i., April, 1836, with a Chart of the Western Atlantic, with the Courses of various Hurricanes, 1835; see also London Naut. Mag. 1836, vol. v. p. 199.
	Observations on the Storm of December 15, 1839, with a Map, showing the Direction of the Wind at Noon, as observed at various places, in the Storm of December 15; Trans. Amer. Phil. Society, vol. viii., N. S. 1843, p. 77—London, Edinb., and Dublin Phil. Mag., vol. xvii., 1841, p. 17.
	Remarks on Mr. Espy's Theory of Centripetal Storms, including a Refutation of his Positions relative to the Storm of September 3, 1821, with some Notice of the Fallacies which appear in his Examinations of other Storms; Jour.

* This is Mr. Redfield's first paper on Storms, published ten years after he had ascertained the rotary and progressive movement of storms in 1821.

Authors.	*Books.*
	of the Franklin Institute, vol. xxiii., 1839, p. 323—Foreign Quarterly Review, vol. xxiii., 1839, p. 5.
REDFIELD	Reply to Dr. Hare's further Objections relating to Whirlwind Storms, with some Evidence of the Whirling action of the Providence Tornado of August 1838; Amer. Jour. of Science and Arts, vol. xliii. p. 250—London Phil. Mag. vol. xxiii., 1843, No. CLV., Supplement, p. 481.
	Reply to Dr. Hare's Objections to the Whirlwind Theory of Storms; Amer. Jour. of Science and Arts, vol. xlii. p. 299.
	Hurricane of August 1831; Amer. Jour. of Science and Arts, vol. xxi.
	Remarks on the Tornado which visited New Brunswick, in the State of New Jersey, June 19, 1835, with a Plan and Schedule of the Prostrations observed on a section of its track; London, Edinb., and Dublin Phil. Mag., vol. xvii., 1841, p. 30.
	Observations on the Hurricanes and Storms of the West Indies and the Coasts of the United States; to which are added Summary Statements of some of the leading facts in Meteorology; Amer. Jour. of Science and Arts, 1834, vol. xxv. p. 114—Blunt's Amer. Coast Pilot, 16th edit., 1850, p. 11, with a Chart of the Courses of Hurricanes —Bibliothèque Universelle de Genève, 1834, vol. i. p. 412.
	Notice of Dr. Hare's Strictures on Prof. Dove's Essay on the Laws of Storms; Jour. of Franklin Institute, 1844, p. 384.
	Further Notice of the Fallacies of Mr. Espy's Examination of Storms; Jour. of the Franklin Institute, vol. xxiv., 1839, p. 1.
	Extract of a Letter from Mr. W. C. Redfield to Sir J. F. W. Herschel; Report of the Tenth Meeting of the British Association for the Advancement of Science, 1841, p. 40.
	Account of the Circular Storm of December last in the United States; Naut. Mag., 1840, p. 424.
	Remarks on Mr. Schufeldt's Observations on the Storms of the Atlantic; Naut. Mag., 1839, p. 37.
	Monitions and Instructions for Vessels Navigating on the Western Side of the Atlantic (abstracted from the Amer. Coast Pilot, 1833); Purdy's Atlantic Ocean, 10th edit., 1853, p. 303.
	Some Account of Violent Columnar Whirlwinds, which appear to have resulted from the Action of large Circular Fires, with Remarks on the same; Amer. Jour. of Science and Arts, vol. xxxvi., 1839, p. 50—See also Bibliothèque Universelle de Genève, 1840, vol. xxviii. p. 402.
	Additional Facts relating to the Raleigh's Typhoon of August 15 and 16, 1835, in the China Sea; Amer. Jour. of Science and Arts, vol. xxxvi. p. 59.
	Summary Statements of some of the Leading Facts in Meteorology; Amer. Jour. of Science and Arts, vol. xxv., 1834, p. 122.
	On the Apparent Necessity of Revising the Received Systems of Dynamical Meteorology; Proceedings of the Amer. Association for the Advancement of Science, Fourth Meeting, August 1850, p. 366.
	The Law of Storms, and its Penalties for Neglects; Bermuda Royal Gazette, July 16, 1850—New York Courier and Enquirer.

Authors.	*Books.*
REDFIELD	Meteorological Sketches by an Observer (W. C. Redfield, Esq., of New York); prepared for the 13th edit. of the Amer. Coast Pilot—See the 16th edit. p. 11, Amer. Jour. of Science, vol. xxxiii.
	Value of the Barometer in Navigating the American Lakes; Annual of Scientific Discovery for 1854, edited by David A. Wells, A.M., Boston, p. 200.
	Reid, Espy, and Loomis on the Theory of Storms; North American Review, vol. lviii., 1844, Boston, p. 335.
	The Meteorological Portion in the American edition of "A Million of Facts."
	See also the following Journals:—Amer. Jour. of Science and Arts, vol. xxviii. p. 310, vol. xxxi. p. 115, vol. xxxv. p. 201, xlii. p. 112—Jour. of the Franklin Institute, vol. xix. p. 112, February 1837—Idem, vol. xxx. p. 252, vol. xxviii. p. 40, 1841—Jameson's Edin. Jour., Feb. and April, 1838.
	Cape Verde and Hatteras Hurricane of August—September, 1853, with a Hurricane Chart, and Notices of various Storms in the Atlantic and Pacific Oceans, North of the Equator; Amer. Jour. of Science and Arts, vol. xviii., 2nd series, 1854—Annals of Science, conducted by Hamilton L. Smith, A.M., Cleveland, U. S., vol. ii. February, 1854, p. 47.*
REID	An Attempt to develop the Laws of Storms by means of Facts, arranged according to Place and Time; and hence to point out a Cause for the variable Winds with a view to Practical use in Navigation, illustrated by Charts and Woodcuts; 3rd edit., London, 1850.
	The Progress of the Development of the Law of Storms, and of the Variable Winds, with the Practical Application of the Subject to Navigation, illustrated by Charts and Woodcuts; London, 1849.
	Law of Storms—On Moving Ships in Revolving Gales; Report of the Twenty-first Meeting of the British Association, 1852, p. 36.
	A Statement of the Progress made towards developing the Law of Storms, and of what seems further desirable to be done to advance our knowledge of the subject; Report of the Eighth Meeting of the British Association, vol. vii., 1839, p. 21—also the Athenæum, No. 565, Aug. 25, 1838, p. 594.
	On Hurricanes; Naut. Mag., 1838, vol. i. p. 782.
	Storms of the Eastern Atlantic; Naut. Mag., 1843, p. 276.
	Hurricanes of the Mediterranean; Naut. Mag., 1852, p. 333.
	Note on the Winds, as influencing the Tracks sailed by Bermuda Vessels; Blunt's Am. Coast Pilot, 15th edit., p. 534. See also the Am. Jour. of Science and Arts, vol. viii. p. 454, On the Progress of the Development of the Law of Storms and of the Variable Winds.
RICHARD (L'ABBÉ)	Histoire des Météores; Paris, 1771, vol. vi. pp. 105, 400-497.
RIDER	Practical Rules for determining the Course to be Steered to Escape from a Hurricane, deduced from the Rotatory Theory established by Col. Reid; London, 1847.
	A Short Treatise on Hurricanes; translated into Spanish by Braulio Minonox, under the name of *Opúsculo sobre los Huracanes.*

* This is the last paper by Mr. Redfield on hurricanes.

Authors.	*Books.*
ROCHEFORT	Histoire Naturelle et Morale des Antilles de l'Amérique; 2nd edit., Rotterdam, 1665, p. 259–266.
ROMME	Tableaux des Vents, &c., vol. i.; Paris, 1806, pp. 45, 132, 149.
RUSSELL	On the Passage of Storms across the British Islands; Report of the Twentieth Meeting of the British Association, 1851, p. 42.
SARRABAT (LE P.)	Dissertation sur les Causes et les Variations des Vents—Recueil des Dissertations couronnées par l'Académie de Bordeaux, 1730, vol. iii. p. 67.
SCHOMBURGK	History of Barbados; London, 1848, pp. 38–62, 689–695; with a Chronological List of Hurricanes and severe Gales in the West Indies, from their discovery to the year 1846.
	Account of the Hurricane at St. Domingo on the 26th of August, 1855, London Athenæum, No. 1462, Nov. 3, 1855, p. 1273.
SCHOUW	On the Rotation of Winds, in Kaemtz, i. 257—Pogg. Ann. xiv. 546—Essay on the Winds of Europe, *Beiträge*, &c., p. 1–115.
SCHUFELDT	Storms of the Atlantic; Naut. Mag., 1849, p. 37.
SCORESBY	An Account of the Arctic Regions, with a History and Description of the Northern Whale Fishery; Edinb., 1820, vol. i. pp. 398, 412.
SEDGWICK	The True Principle of the Law of Storms, practically arranged for both Hemispheres; London, 1852.
SHOTTE	Royal Phil. Trans., 1780.
SICULUS (DIODORUS)	Hurricanes at Rome, Capua, and Lavinium, vol. iii. lib. xii.
SIGAUD	Du Climat et des Maladies du Brésil; Paris, 1844, p. 61.
SMITH (CHAPPEL)	On a Tornado that passed near New Harmony, Ind., U.S., in 1852; published in 1853 by the Smithsonian Institute.
SMYTH (PIOZZI)	Theory of Hurricanes; Edinb. New Phil. Journal, July to October, 1852, p. 330.
SOLDANI	Description of three *Turbini*—Dissertazione sopra una Pioggetta di Sassi acca duta nella Sera de' 16 Guigno de 1794, in Lusignan d'Asso del Sanese; Siena, 1794, p. 94.
SOUTHEY	Chronological History of the West Indies, London, 1827.
	Account of the Hurricane of the 10th October at Barbados in the Chronological History of the West Indies, vol. ii. pp. 467, 473.
STEELE	Naval Chronologist.
STORMY JACK (*alias* LIEUT. EVANS, R.N.)	On the Hurricanes of the North Atlantic; Naut. Mag. 1837, vol. i. pp. 13, 167.
	Hurricanes of the Atlantic, Theory for avoiding them; with a List of the principal ones during the last 123 years, from 1712 to 1835; Naut. Mag., 1837, vol. i. p. 243.
	Hurricanes of the Mauritius in March, 1836; Naut. Mag., 1837, vol. i. p. 581.
	The British Hurricane of November 29, 1836; Naut. Mag., 1837, vol. i. p. 34.—Lieut. Evans concludes that this storm may be identified with the West India hurricane.
	Observations on the Hurricanes of July 26 and August 2, 1837; Naut. Mag., 1838, vol. i. p. 35.
	Hurricane experienced by the Ship 'Feliza,' Capt. Reynolds, from Jamaica to Bristol, on August 18, 19, and 20, 1837; with Questions for the consideration of those who encounter Hurricanes and Typhoons; Naut. Mag., 1838, vol. i. p. 454.
	The 'Old Bahama Channel' in a Hurricane; Naut. Mag., 1840, vol. i. p. 633.

Authors.	*Books.*
STORMY JACK (*alias* LIEUT. EVANS, R.N.)	Two Instances of Transit of the Centre of a Hurricane over Land; Naut. Mag. 1842, p. 180.
	Remarks on Ships sailing in Circular Storms; Naut. Mag. 1843, p. 296.
	Hurricane near the Antarctic Circle, at New Zealand, of Great Ocean, Pacific, South Sea, or Polynesia; Naut. Mag., 1845, p. 704.
	The Hurricane of October 4 and 5, 1844, in the West Indies, Naut. Mag., 1845, p. 73.
	The Hurricane of 1703 in England; Naut. Mag., 1845, p. 174, 403.
	A Marvellous Fact in a Hurricane; Naut. Mag., 1846, p. 156.
	A Chronological List of the Hurricanes which have occurred in the West Indies since the Year 1493; with Interesting Descriptions; Naut. Mag., 1848, pp. 397, 453, 524.
	On the Aberration of Hurricanes; Naut. Mag., 1848, p. 7.
	The Hurricane Theory; Naut. Mag., 1848, p. 375.
STORMS	See also the following papers on Storms and Hurricanes:— Reid and Redfield's Investigations; Edinb. Review, vol. lxviii., 1839, p. 406.
	Narratives written by Sea Commanders, illustrative of the Law of Storms, and of its Practical Application to Navigation, No. I.
	On the Law of Storms; Foreign Quarterly Review, April, 1839.
	A Copious Extract from the Log of the Moultan Indiaman during the Indian Ocean Gale of Feb. 24, 1850; Bermuda Royal Gazette, July 16, 1850.
	London Encyclopædia, vol. xiv. p. 431.
	Instructions to the Officers of the Antarctic Expedition; Phil. Mag., vol. xv., 3rd Series.
	Professional Papers of the Royal Engineers; London, vol. i. p. 103.
	Philadelphia Literary Register, Sept., 1839.
	London Quarterly Journal of Science, April, 1839.
	Statistique des Faits touchant la Loi des Tempêtes; Revue de Bruxelles, vol. xix. p. 31.
	Instructions au sujet de l'Application des Lois des Tempêtes pendant le Cyclone de Février, 1848, par le Capit. de l'Agincourt; published in a Journal of Cape of Good Hope.
	Récit de la Tempête reçu par la *British Queen* dans l'Atlantique; Indépendance Belge, 20 Oct. 1842.
	Theory of the Tornado in Middlesex County, U.S., of August, 1851; Proceedings of the Am. Acad. of Arts and Sciences, vol. ii. 1852, pp. 269, 284, 289, 298, 301.
SULLIVAN	Gales at Berkeley Sound, Falkland Islands; Naut. Mag. 1841.
TAYLOR (BISHOP J.)	The Causes of all sortes of Weather, Faire or Foule, Sleete, Rannaile, Frost, Snow, Fogges, Mists, Vapeurs, Cloudes, Stormes, Windes, Thunder, and Lightning; London, 1637.
TAYLOR (DR. J.) ..	On Tropical Hurricanes; Report of the Twenty-second Meeting of the British Association, 1853, p. 31; L'Institut, vol. xx. p. 391.
TEMPLER	A Relation of Two considerable Hurricanes in Northamptonshire; Phil. Trans. 1671; Abr. i. p. 593.
THOM	Nature and Course of Storms in the Indian Ocean; London, 1845.
	Inquiry into the Nature and Course of Storms; London, 1845.
	Remark on the late Hurricane of April, 1847, on the Western Coast of India; accompanied by Three Dia-

Authors.	*Books.*
	grams, showing the Position of the Malabar Hurricane on April 16 and 18 last, with a Letter from the Author. Trans. of the Bombay Geographical Society, vol. viii., 1849, p. 1.
THOMSON	Introduction to Meteorology, London, 1849, pp. 402-429.
TRACY	On the Rotary Action of Storms; Jour. of Science and Arts, vol. xlv., 1843, p. 65.
TRANSACTIONS	Of the Meteorological Society of Mauritius; being a Collection of Abstract Logs, Reports, &c., in reference to the Gales and Hurricanes of the Indian Ocean South of the Equator, from August to December 1851, inclusive: edited by the Secretary; Mauritius, 1853.
TYPHON	Ancient Account of Hurricanes; Naut. Mag., 1845, p. 16.
UKERT.....	Geogr. der Griechen, vol. ii. p. 128.
ULLOA.....	Voyage to South America, by D. G. Juan and D. A. de Ulloa, translated from the original Spanish; London, 1758, vol. ii. p. 216.
VARENIUS	A Complete System of General Geography, translated by Dugdale; London, 1765, p. 519.
VIRGIL	For a beautiful description of the Hurricanes, Æn. i. 86.
VOSSIUS	On the West Indies Hurricanes—Traité du Mouvement des Mers et des Vents; Haye, 1663.
WALKER	Hurricane of 1756 at Drumlanrig, in Dumfriesshire; Lyell's Principles of Geol., vol. iii. p. 268, 6th edit.
WATT	Art. 'Storm' in Robert Watt's Bibliotheca Britannica; Edinb., 1824, vol. iv.
WHITE	Account of the West Indies Hurricane of 1836, in the Meteorological Retrospect for 1836; London Magazine.
WOODIN	Hurricane Season at New Caledonia; Naut. Mag., 1852, p. 326.